




# LAPORAN AKTIVITI

## LAB INOVASI TERBUKA KEMAMAN (KOIL)

| ITEM<br>JENIS                                         | INFORMATION<br>MAKLUMAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | NOTES<br>NOTA  |        |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------|--------|------|---|----------------------|----------------|--------|---|---------------------------------|----------------|--------|---|----------------------|----------------|--------|---|-----------------------------------|----------------|--------|---|-------------------|----------------|--------|---|-------------------------|----------------|--------|---|---------------------------------|----------------|--------|---|------------------------|----------------|--------|---|------------------------------------|----------------|--------|----|------------------------|----------------|--------|----|-----------------------------|----------------|--------|----|--------------------------------|----------------|--------|----|--------------------------|----------------|--------|----|-----------------------|----------------|--------|----|--------------------------|----------------|--------|----|---------------------------|----------------|--------|----|------------------------------|----------------|--------|----|-----------------------------|----------------|--------|----|----------------------------------|----------------|--------|----|----------------------|----------------|--------|--|
| <b>Name of event<br/>Nama acara<br/>/ program</b>     | <b>BENGKEL LEGO (TRAIN THE TEACHER)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |        |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| <b>Date &amp; Time<br/>Tarikh &amp;<br/>Masa</b>      | <i>TARIKH: 24-25 OGOS 2017<br/>MASA: 9.00 PAGI – 5.00 PETANG<br/>PESERTA: GURU SEKOLAH DAERAH KEMAMAN</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |        |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| <b>Location<br/>Lokasi</b>                            | <i>Kemaman Open Innovation Lab (KOIL)</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |        |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| <b>Purpose<br/>Tujuan</b>                             | <i>Kursus ini dihadiri oleh 20 orang peserta yang merupakan guru sekolah rendah dan menengah di Daerah Kemaman yang bertujuan untuk mempelajari bidang sains dan teknologi dalam penciptaan robotik menggunakan lego set mindstorm EV3.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |        |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| <b>Details of recipients<br/>Butiran<br/>Penerima</b> | <table border="1"> <thead> <tr> <th style="text-align: center;">BIL</th> <th style="text-align: center;">NAMA</th> <th style="text-align: center;">NO K/P</th> <th style="text-align: center;">UMUR</th> </tr> </thead> <tbody> <tr><td>1</td><td>MOHD ZAKI BIN HASSAN</td><td>750228-11-5473</td><td>42 THN</td></tr> <tr><td>2</td><td>TUAN MOHD SHAFIE BIN TUAN JUSOH</td><td>800806-11-5137</td><td>37 THN</td></tr> <tr><td>3</td><td>ZAINAB BINTI MOHAMED</td><td>850527-11-5690</td><td>32 THN</td></tr> <tr><td>4</td><td>NUR SALFARINA BINTI MUHAMMAD AMIN</td><td>890515-03-5278</td><td>28 THN</td></tr> <tr><td>5</td><td>RUSHDAN BINTI ALI</td><td>700521-11-5258</td><td>47 THN</td></tr> <tr><td>6</td><td>ROHANI BINTI ABD RAHMAN</td><td>770101-11-5968</td><td>40 THN</td></tr> <tr><td>7</td><td>WAN FATIMA SALWA BINTI WAN NGAH</td><td>750718-11-5038</td><td>42 THN</td></tr> <tr><td>8</td><td>NOR HAIZAN BINTI JUSOH</td><td>720423-11-5084</td><td>45 THN</td></tr> <tr><td>9</td><td>NIK NURUL AIN IYANI BINTI NIK AZIZ</td><td>861101-29-5704</td><td>31 THN</td></tr> <tr><td>10</td><td>NURUL AINI BINTI AHMAD</td><td>861022-02-5976</td><td>31 THN</td></tr> <tr><td>11</td><td>MOHD HAFIZ BIN MOHD KHAIRON</td><td>860212-14-5261</td><td>31 THN</td></tr> <tr><td>12</td><td>MOHD SALAHUDIN BIN KAMARUZAMAN</td><td>890206-03-6293</td><td>28 THN</td></tr> <tr><td>13</td><td>MZ MULYADY BIN MOHD ZAIN</td><td>780626-11-5329</td><td>39 THN</td></tr> <tr><td>14</td><td>AMINUDDIN BIN ZAKENIA</td><td>660102-11-5161</td><td>51 THN</td></tr> <tr><td>15</td><td>NOOR EZALINA BINTI SALEH</td><td>770429-11-5320</td><td>40 THN</td></tr> <tr><td>16</td><td>AINUL SYAHIRA BINTI AZHAR</td><td>870119-14-6138</td><td>30 THN</td></tr> <tr><td>17</td><td>NURUL AKMAL BINTI AHMAD ZAKI</td><td>881225-11-5208</td><td>29 THN</td></tr> <tr><td>18</td><td>ROSLAWATI BINTI ABDUL WAHAB</td><td>740102-06-5352</td><td>43 THN</td></tr> <tr><td>19</td><td>SYED MOHD ALBANNA BIN SYED SALIM</td><td>851227-11-5183</td><td>32 THN</td></tr> <tr><td>20</td><td>MOHD NAIM BIN SAADON</td><td>841212-11-5229</td><td>33 THN</td></tr> </tbody> </table> | BIL            | NAMA   | NO K/P | UMUR | 1 | MOHD ZAKI BIN HASSAN | 750228-11-5473 | 42 THN | 2 | TUAN MOHD SHAFIE BIN TUAN JUSOH | 800806-11-5137 | 37 THN | 3 | ZAINAB BINTI MOHAMED | 850527-11-5690 | 32 THN | 4 | NUR SALFARINA BINTI MUHAMMAD AMIN | 890515-03-5278 | 28 THN | 5 | RUSHDAN BINTI ALI | 700521-11-5258 | 47 THN | 6 | ROHANI BINTI ABD RAHMAN | 770101-11-5968 | 40 THN | 7 | WAN FATIMA SALWA BINTI WAN NGAH | 750718-11-5038 | 42 THN | 8 | NOR HAIZAN BINTI JUSOH | 720423-11-5084 | 45 THN | 9 | NIK NURUL AIN IYANI BINTI NIK AZIZ | 861101-29-5704 | 31 THN | 10 | NURUL AINI BINTI AHMAD | 861022-02-5976 | 31 THN | 11 | MOHD HAFIZ BIN MOHD KHAIRON | 860212-14-5261 | 31 THN | 12 | MOHD SALAHUDIN BIN KAMARUZAMAN | 890206-03-6293 | 28 THN | 13 | MZ MULYADY BIN MOHD ZAIN | 780626-11-5329 | 39 THN | 14 | AMINUDDIN BIN ZAKENIA | 660102-11-5161 | 51 THN | 15 | NOOR EZALINA BINTI SALEH | 770429-11-5320 | 40 THN | 16 | AINUL SYAHIRA BINTI AZHAR | 870119-14-6138 | 30 THN | 17 | NURUL AKMAL BINTI AHMAD ZAKI | 881225-11-5208 | 29 THN | 18 | ROSLAWATI BINTI ABDUL WAHAB | 740102-06-5352 | 43 THN | 19 | SYED MOHD ALBANNA BIN SYED SALIM | 851227-11-5183 | 32 THN | 20 | MOHD NAIM BIN SAADON | 841212-11-5229 | 33 THN |  |
| BIL                                                   | NAMA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | NO K/P         | UMUR   |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 1                                                     | MOHD ZAKI BIN HASSAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 750228-11-5473 | 42 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 2                                                     | TUAN MOHD SHAFIE BIN TUAN JUSOH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 800806-11-5137 | 37 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 3                                                     | ZAINAB BINTI MOHAMED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 850527-11-5690 | 32 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 4                                                     | NUR SALFARINA BINTI MUHAMMAD AMIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 890515-03-5278 | 28 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 5                                                     | RUSHDAN BINTI ALI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 700521-11-5258 | 47 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 6                                                     | ROHANI BINTI ABD RAHMAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 770101-11-5968 | 40 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 7                                                     | WAN FATIMA SALWA BINTI WAN NGAH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 750718-11-5038 | 42 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 8                                                     | NOR HAIZAN BINTI JUSOH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 720423-11-5084 | 45 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 9                                                     | NIK NURUL AIN IYANI BINTI NIK AZIZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 861101-29-5704 | 31 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 10                                                    | NURUL AINI BINTI AHMAD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 861022-02-5976 | 31 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 11                                                    | MOHD HAFIZ BIN MOHD KHAIRON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 860212-14-5261 | 31 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 12                                                    | MOHD SALAHUDIN BIN KAMARUZAMAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 890206-03-6293 | 28 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 13                                                    | MZ MULYADY BIN MOHD ZAIN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 780626-11-5329 | 39 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 14                                                    | AMINUDDIN BIN ZAKENIA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 660102-11-5161 | 51 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 15                                                    | NOOR EZALINA BINTI SALEH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 770429-11-5320 | 40 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 16                                                    | AINUL SYAHIRA BINTI AZHAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 870119-14-6138 | 30 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 17                                                    | NURUL AKMAL BINTI AHMAD ZAKI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 881225-11-5208 | 29 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 18                                                    | ROSLAWATI BINTI ABDUL WAHAB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 740102-06-5352 | 43 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 19                                                    | SYED MOHD ALBANNA BIN SYED SALIM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 851227-11-5183 | 32 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |
| 20                                                    | MOHD NAIM BIN SAADON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 841212-11-5229 | 33 THN |        |      |   |                      |                |        |   |                                 |                |        |   |                      |                |        |   |                                   |                |        |   |                   |                |        |   |                         |                |        |   |                                 |                |        |   |                        |                |        |   |                                    |                |        |    |                        |                |        |    |                             |                |        |    |                                |                |        |    |                          |                |        |    |                       |                |        |    |                          |                |        |    |                           |                |        |    |                              |                |        |    |                             |                |        |    |                                  |                |        |    |                      |                |        |  |

| ITEM<br>JENIS                                                                  | INFORMATION<br>MAKLUMAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NOTES<br>NOTA |
|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| <b>Details of contribution</b><br><b>Butir-butir berkaitan dengan aktiviti</b> | <i>Bengkel Lego (Train The Teacher) ini merupakan program anjuran MCMC dengan kerjasama bersama PPD Kemaman bagi memantapkan lagi kemahiran para guru Sekolah Rendah dan Menengah dalam menggunakan dan mengendalikan set Lego. Ini bagi memastikan para guru mahir dalam mengendalikan set Lego tersebut seterusnya dapat melatih dan mengajar para pelajar dengan lebih berkesan untuk pertandingan.</i>                                                                                                                                                                                                                   |               |
| <b>Benefits of the contribution</b><br><b>Kebaikan / kelebihan aktiviti</b>    | <p><i>Antara kebaikan dan kelebihan aktiviti yang telah dijalankan adalah:</i></p> <ol style="list-style-type: none"> <li><i>1. Mempromosikan kelas ICT dan keusahawanan di KOIL</i></li> <li><i>2. Mendedahkan para peserta tentang kemahiran yang baru</i></li> <li><i>3. Memupuk minat peserta untuk menceburi dalam bidang inovasi dan robotik</i></li> <li><i>4. Menyediakan perkhidmatan dan kemudahan kepada komuniti</i></li> <li><i>5. Menggalakkan keahlian di KOIL</i></li> <li><i>6. Meningkatkan penggunaan 'bandwidth' di KOIL</i></li> <li><i>7. Menyediakan tempat pembelajaran yang kondusif</i></li> </ol> |               |
| <b>Name of VIP</b><br><b>Nama VIP</b>                                          | <p><i>Lina Rahimi – MCMC</i><br/><i>Muhammad Faidhi Guli – MCMC</i><br/><i>Sarah – MCMC</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
| <b>Name of guest VIP</b><br><b>Nama tetamu daripada VIP</b>                    | <i>-TIADA-</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |
| <b>Main execution</b><br><b>Pelaksanaan aktiviti utama</b>                     | <i>Para guru Sekolah Rendah dan Menengah Daerah Kemaman diajar oleh SASBADI cara menggunakan set Lego dan programming</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |
| <b>Supporting activities</b><br><b>Aktiviti Sokongan</b>                       | <i>Pengedaran borang keahlian KOIL</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |
| <b>Other participants</b><br><b>Peserta Lain</b>                               | <i>- TIADA -</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               |

| ITEM<br>JENIS                            | INFORMATION<br>MAKLUMAT                                                                                                                                                                                                                                                                                                                                       | NOTES<br>NOTA |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Photo<br>caption<br>Keterangan<br>gambar |  <p data-bbox="418 772 1279 810">Wakil MCMC memberi sedikit kata alu-aluan kepada peserta Lego</p>  <p data-bbox="516 1388 1182 1425">Para guru membuat pendaftaran Bengkel Lego TTT</p> |               |

| ITEM<br>JENIS | INFORMATION<br>MAKLUMAT                                                                                                                                                                                                                                       | NOTES<br>NOTA |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|               |   <p data-bbox="500 1436 1195 1472">Penerangan Lego oleh SASBADI kepada para peserta</p> |               |

| ITEM<br>JENIS             | INFORMATION<br>MAKLUMAT                                                                                                                                                                         | NOTES<br>NOTA |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|                           |  <p data-bbox="412 821 1289 856"><i>Setiap sekolah diberi 1 set Lego untuk di pasang dan diprogramkan</i></p> |               |
| Translation<br>Terjemahan | - TIADA -                                                                                                                                                                                       |               |

| ITEM<br>JENIS                            | INFORMATION<br>MAKLUMAT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | NOTES<br>NOTA                                    |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------|--------|--------|-----------------|-------------|-----------------|------------------------------|------------------|-----------------------|-------------------|---------|------------------|-----------------------------|-----------------|-------------------|-----------------|----------------------|-----------------|--------------|-----------------|----------------------|------|------|--------|--------|------------------|-------------------------------|-------------------|---------|------------------|----------------------------------------|-----------------|-------------------|-----------------|---------------------------------------|-----------------|--------------|-----------------|-------------------|-----------------|--------------------------------------------------|--|
| Supporting documents<br>Dokumen Sokongan | <p style="text-align: right;"><b>LAMPIRAN 1</b></p> <p style="text-align: center;"><b>ATUR CARA TRAIN THE TEACHER</b></p> <table border="1" data-bbox="479 630 1177 955"> <thead> <tr> <th>Hari</th> <th>Masa</th> <th>Agenda</th> </tr> </thead> <tbody> <tr> <td rowspan="9">Hari 1</td> <td>8.30am - 9.00am</td> <td>Pendaftaran</td> </tr> <tr> <td>9.00am - 9.10am</td> <td>Gambaran Keseluruhan Robotik</td> </tr> <tr> <td>9.10am - 11.10am</td> <td>Lego Mindstorm Output</td> </tr> <tr> <td>11.10am - 11.20am</td> <td>Sarapan</td> </tr> <tr> <td>11.20am - 1.00pm</td> <td>Lego Mindstorm Flow Control</td> </tr> <tr> <td>1.00pm - 2.00pm</td> <td>Makan tengah hari</td> </tr> <tr> <td>2.00pm - 3.40pm</td> <td>Lego Mindstorm Input</td> </tr> <tr> <td>3.40pm - 3.50pm</td> <td>Minum petang</td> </tr> <tr> <td>3.50pm - 5.00pm</td> <td>Lego Mindstorm Input</td> </tr> </tbody> </table><br><table border="1" data-bbox="479 955 1193 1375"> <thead> <tr> <th>Hari</th> <th>Masa</th> <th>Agenda</th> </tr> </thead> <tbody> <tr> <td rowspan="8">Hari 2</td> <td>9.00am - 10.30am</td> <td>Lego Mindstorm Input &amp; Output</td> </tr> <tr> <td>10.30am - 10.40am</td> <td>Sarapan</td> </tr> <tr> <td>10.40am - 1.00pm</td> <td>Lego Mindstorm Data Wiring &amp; Variables</td> </tr> <tr> <td>1.00pm - 2.00pm</td> <td>Makan tengah hari</td> </tr> <tr> <td>2.00pm - 3.30pm</td> <td>Lego Mindstorm Logic &amp; Data Operation</td> </tr> <tr> <td>3.30pm - 3.40pm</td> <td>Minum petang</td> </tr> <tr> <td>3.40pm - 4.15pm</td> <td>Pembelajaran STEM</td> </tr> <tr> <td>4.15pm - 5.00pm</td> <td>Mencipta aktiviti robotik bersama Lego Mindstorm</td> </tr> </tbody> </table> <p style="text-align: right; margin-top: 20px;">M/surat 4 daripada 5</p> | Hari                                             | Masa | Agenda | Hari 1 | 8.30am - 9.00am | Pendaftaran | 9.00am - 9.10am | Gambaran Keseluruhan Robotik | 9.10am - 11.10am | Lego Mindstorm Output | 11.10am - 11.20am | Sarapan | 11.20am - 1.00pm | Lego Mindstorm Flow Control | 1.00pm - 2.00pm | Makan tengah hari | 2.00pm - 3.40pm | Lego Mindstorm Input | 3.40pm - 3.50pm | Minum petang | 3.50pm - 5.00pm | Lego Mindstorm Input | Hari | Masa | Agenda | Hari 2 | 9.00am - 10.30am | Lego Mindstorm Input & Output | 10.30am - 10.40am | Sarapan | 10.40am - 1.00pm | Lego Mindstorm Data Wiring & Variables | 1.00pm - 2.00pm | Makan tengah hari | 2.00pm - 3.30pm | Lego Mindstorm Logic & Data Operation | 3.30pm - 3.40pm | Minum petang | 3.40pm - 4.15pm | Pembelajaran STEM | 4.15pm - 5.00pm | Mencipta aktiviti robotik bersama Lego Mindstorm |  |
| Hari                                     | Masa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Agenda                                           |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
| Hari 1                                   | 8.30am - 9.00am                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pendaftaran                                      |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|                                          | 9.00am - 9.10am                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Gambaran Keseluruhan Robotik                     |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|                                          | 9.10am - 11.10am                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lego Mindstorm Output                            |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|                                          | 11.10am - 11.20am                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Sarapan                                          |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|                                          | 11.20am - 1.00pm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lego Mindstorm Flow Control                      |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|                                          | 1.00pm - 2.00pm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Makan tengah hari                                |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|                                          | 2.00pm - 3.40pm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lego Mindstorm Input                             |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|                                          | 3.40pm - 3.50pm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Minum petang                                     |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|                                          | 3.50pm - 5.00pm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lego Mindstorm Input                             |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
| Hari                                     | Masa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Agenda                                           |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
| Hari 2                                   | 9.00am - 10.30am                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lego Mindstorm Input & Output                    |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|                                          | 10.30am - 10.40am                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Sarapan                                          |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|                                          | 10.40am - 1.00pm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lego Mindstorm Data Wiring & Variables           |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|                                          | 1.00pm - 2.00pm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Makan tengah hari                                |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|                                          | 2.00pm - 3.30pm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lego Mindstorm Logic & Data Operation            |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|                                          | 3.30pm - 3.40pm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Minum petang                                     |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|                                          | 3.40pm - 4.15pm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Pembelajaran STEM                                |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |
|                                          | 4.15pm - 5.00pm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Mencipta aktiviti robotik bersama Lego Mindstorm |      |        |        |                 |             |                 |                              |                  |                       |                   |         |                  |                             |                 |                   |                 |                      |                 |              |                 |                      |      |      |        |        |                  |                               |                   |         |                  |                                        |                 |                   |                 |                                       |                 |              |                 |                   |                 |                                                  |  |