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# KAJIAN PENGESANAN GRADUAN

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## *GRADUATE TRACER STUDY*



Sumber / Source :  
Sistem Kajian Pengesanan Graduan, KPT/  
*Tracer Study, MOHE*

Jadual  
Table  
7.1

Bilangan dan Peratus Graduan Warganegara Malaysia mengikut Status Pekerjaan berdasarkan Kategori IPT, 2023

Number and Percentage of Malaysian Graduates based on Employment Status by Categories of HEIs, 2023

| Kategori IPT<br>Categories of HEIs  | Status Pekerjaan / Employment Status |      |   |      |   |     |  |     |                                  |      | Jumlah<br>Total |     |
|---|--------------------------------------|------|---|------|---|-----|--|-----|----------------------------------|------|-----------------|-----|
|   | Bekerja<br>Employed                  |      | Melanjutkan<br>Pengajian<br>Further Study |      | Meningkatkan<br>Kemahiran<br>Upgrading Skills |     | Menunggu<br>Penempatan<br>Pekerjaan<br>Waiting for Work<br>Placement |     | Belum Bekerja<br>Not Working Yet |      |                 |     |
|   | Bil.<br>No.                          | %    | Bil.<br>No.                               | %    | Bil.<br>No.                                   | %   | Bil.<br>No.  | %   | Bil.<br>No.                      | %    | Bil.<br>No.     | %   |
| Universiti Awam<br>Public Universities  | 92,013                               | 69.4 | 21,723                                    | 16.4 | 4,104   | 3.1 | 5,550  | 4.2 | 9,286                            | 7.0  | 132,676         | 100 |
| Institusi Pendidikan<br>Tinggi Swasta<br>Private HEIs   | 63,718                               | 62.7 | 15,919                                    | 15.7 | 1,312   | 1.3 | 3,426  | 3.4 | 17,258                           | 17.0 | 101,633         | 100 |
| Politeknik<br>Polytechnics  | 21,757                               | 76.6 | 5,142                                     | 18.1 | 142   | 0.5 | 555  | 2.0 | 811                              | 2.9  | 28,407          | 100 |
| Kolej Komuniti<br>Community Colleges  | 4,230                                | 69.1 | 1,747                                     | 28.5 | 8   | 0.1 | 16   | 0.3 | 120                              | 2.0  | 6,121           | 100 |
| Kolej Vokasional<br>Vocational Colleges   | 4,579                                | 69.2 | 502                                       | 7.6  | 57  | 0.9 | 246  | 3.7 | 1,230                            | 18.6 | 6,614           | 100 |
| Institusi Latihan<br>Kemahiran Awam,<br>Kementerian Sumber<br>Manusia (KESUMA)<br>Public Skills Training<br>Institutions, Ministry of<br>Human Resources  | 4,704                                | 67.8 | 1,227                                     | 17.7 | 37  | 0.5 | 156  | 2.2 | 819                              | 11.8 | 6,943           | 100 |
| Institut Latihan<br>Kemahiran Belia dan<br>Sukan,<br>Kementerian Belia dan<br>Sukan (KBS)<br>Public Skills Training<br>Institutions, Ministry of<br>Youth and Sports  | 2,848                                | 73.8 | 561                                       | 14.5 | 23  | 0.6 | 41   | 1.1 | 388                              | 10.0 | 3,861           | 100 |
| Institusi Latihan<br>Kemahiran Awam<br>Pertanian, Kementerian<br>Pertanian dan<br>Keterjaminan Makanan<br>(KPKM)<br>Public Skills Training<br>Institutions, Ministry of<br>Agriculture and Food<br>Security | 444                                  | 46.3 | 210                                       | 21.9 | 10  | 1.0 | 20   | 2.1 | 274                              | 28.6 | 958             | 100 |
| Institusi Latihan<br>Kemahiran Awam,<br>Kementerian<br>Pelancongan Seni dan<br>Budaya Malaysia<br>(MOTAC)<br>Public Skills Training<br>Institutions, Ministry of<br>Tourism, Arts and Culture               | 25                                   | 38.5 | 11  | 16.9 | 1   | 1.5 | 3  | 4.6 | 25                               | 38.5 | 65              | 100 |

Bilangan dan Peratus Graduan Warganegara Malaysia mengikut Status Pekerjaan berdasarkan Kategori IPT, 2023

Jadual  
Table  
7.1

Number and Percentage of Malaysian Graduates based on Employment Status by Categories of HEIs, 2023 (cont.)

| Kategori IPT<br>Categories of HEIs  | Status Pekerjaan / Employment Status |             |   |             |   |            |  |            |                                  |             | Jumlah<br>Total |            |
|---|--------------------------------------|-------------|---|-------------|---|------------|--|------------|----------------------------------|-------------|-----------------|------------|
|   | Bekerja<br>Employed                  |             | Melanjutkan<br>Pengajian<br>Further Study |             | Meningkatkan<br>Kemahiran<br>Upgrading Skills |            | Menunggu<br>Penempatan<br>Pekerjaan<br>Waiting for Work<br>Placement |            | Belum Bekerja<br>Not Working Yet |             |                 |            |
|   | Bil.<br>No.                          | %           | Bil.<br>No.                               | %           | Bil.<br>No.                                   | %          | Bil.<br>No.  | %          | Bil.<br>No.                      | %           | Bil.<br>No.     | %          |
| <b>Institusi Latihan<br/>Kemahiran Awam,<br/>Kementerian Kemajuan<br/>Desa dan Wilayah<br/>(KKDW)</b><br><i>Public Skills Training<br/>Institutions, Ministry of<br/>Rural and Regional<br/>Development</i> | 11,544                               | 78.5        | 2,545                                     | 17.3        | 154   | 1.0        | 126  | 0.9        | 343                              | 2.3         | 14,712          | 100        |
| <b>Institusi Latihan<br/>Kemahiran Awam,<br/>Kementerian Kerja Raya<br/>(KKR)</b><br><i>Public Skills Training<br/>Institutions, Ministry of<br/>Works</i>  | 91                                   | 62.3        | 4   | 2.7         | 16  | 11.0       | 4  | 2.7        | 31                               | 21.2        | 146             | 100        |
| <b>IPT Lain</b><br><i>Other HEIs</i>  | 847                                  | 36.4        | 919                                       | 39.4        | 7   | 0.3        | 36   | 1.5        | 521                              | 22.4        | 2,330           | 100        |
| <b>Jumlah<br/>Total</b>   | <b>206,800</b>                       | <b>67.9</b> | <b>50,510</b>                             | <b>16.6</b> | <b>5,871</b>                                  | <b>1.9</b> | <b>10,179</b>  | <b>3.3</b> | <b>31,106</b>                    | <b>10.2</b> | <b>304,466</b>  | <b>100</b> |

Bilangan dan Peratus Graduan Warganegara Malaysia mengikut Status Pekerjaan berdasarkan Kategori IPT di bawah KPT, 2023

Jadual  
Table  
7.2

Number and Percentage of Malaysian Graduates based on Employment Status by category of HEIs under MOHE, 2023

| Kategori IPT<br>Categories of HEIs                                   | Status Pekerjaan / Employment Status |             |   |             |   |            |  |            |                                  |             | Jumlah<br>Total |            |
|--|--------------------------------------|-------------|---|-------------|---|------------|--|------------|----------------------------------|-------------|-----------------|------------|
|  | Bekerja<br>Employed                  |             | Melanjutkan<br>Pengajian<br>Further Study |             | Meningkatkan<br>Kemahiran<br>Upgrading Skills |            | Menunggu<br>Penempatan<br>Pekerjaan<br>Waiting for Work<br>Placement |            | Belum Bekerja<br>Not Working Yet |             |                 |            |
|  | Bil.<br>No.                          | %           | Bil.<br>No.                               | %           | Bil.<br>No.                                   | %          | Bil.<br>No.  | %          | Bil.<br>No.                      | %           | Bil.<br>No.     | %          |
| <b>Universiti Awam</b><br><i>Public Universities</i>                 | 92,013                               | 69.4        | 21,723                                    | 16.4        | 4,104   | 3.1        | 5,550  | 4.2        | 9,286                            | 7.0         | 132,676         | 100        |
| <b>Institusi Pendidikan<br/>Tinggi Swasta</b><br><i>Private HEIs</i> | 63,718                               | 62.7        | 15,919                                    | 15.7        | 1,312   | 1.3        | 3,426  | 3.4        | 17,258                           | 17.0        | 101,633         | 100        |
| <b>Politeknik</b><br><i>Polytechnics</i>                             | 21,757                               | 76.6        | 5,142                                     | 18.1        | 142   | 0.5        | 555  | 2.0        | 811                              | 2.9         | 28,407          | 100        |
| <b>Kolej Komuniti</b><br><i>Community Colleges</i>                   | 4,230                                | 69.1        | 1,747                                     | 28.5        | 8   | 0.1        | 16   | 0.3        | 120                              | 2.0         | 6,121           | 100        |
| <b>Jumlah<br/>Total</b>  | <b>181,718</b>                       | <b>67.6</b> | <b>44,531</b>                             | <b>16.6</b> | <b>5,566</b>                                  | <b>2.1</b> | <b>9,547</b>   | <b>3.6</b> | <b>27,475</b>                    | <b>10.2</b> | <b>268,837</b>  | <b>100</b> |

Jadual  
Table  
7.3

Bilangan dan Peratus Graduan Warganegara Malaysia mengikut Status Pekerjaan berdasarkan Kategori IPT TVET, 2023

Number and Percentage of Malaysian Graduates based on Employment Status by HEIs of TVET, 2023

| Kategori IPT<br>Categories of HEIs  | Status Pekerjaan / Employment Status |             |   |             |   |            |  |            |                                  |            | Jumlah<br>Total |              |
|---|--------------------------------------|-------------|---|-------------|---|------------|--|------------|----------------------------------|------------|-----------------|--------------|
|   | Bekerja<br>Employed                  |             | Melanjutkan<br>Pengajian<br>Further Study |             | Meningkatkan<br>Kemahiran<br>Upgrading Skills |            | Menunggu<br>Penempatan<br>Pekerjaan<br>Waiting for Work<br>Placement |            | Belum Bekerja<br>Not Working Yet |            |                 |              |
|   | Bil.<br>No.                          | %           | Bil.<br>No.                               | %           | Bil.<br>No.                                   | %          | Bil.<br>No.  | %          | Bil.<br>No.                      | %          | Bil.<br>No.     | %            |
| <b>Universiti Awam (Rangkaian<br/>Universiti-universiti Teknikal<br/>Malaysia)</b><br><i>Public Universities (MTUN)</i>   | 11,581                               | 72.4        | 2,629                                     | 16.4        | 776   | 4.9        | 441  | 2.8        | 560                              | 3.5        | 15,987          | 100          |
| <b>Politeknik</b><br><i>Polytechnics</i>  | 21,757                               | 76.6        | 5,142                                     | 18.1        | 142   | 0.5        | 555  | 2.0        | 811                              | 2.9        | 28,407          | 100          |
| <b>Kolej Komuniti</b><br><i>Community Colleges</i>  | 4,230                                | 69.1        | 1,747                                     | 28.5        | 8   | 0.1        | 16   | 0.3        | 120                              | 2.0        | 6,121           | 100          |
| <b>Kolej Vokasional</b><br><i>Vocational Colleges</i>   | 4,579                                | 69.2        | 502                                       | 7.6         | 57  | 0.9        | 246  | 3.7        | 1,230                            | 18.6       | 6,614           | 100          |
| <b>Institusi Latihan Kemahiran<br/>Awam, Kementerian Sumber<br/>Manusia (KESUMA)</b><br><i>Public Skills Training Institutions,<br/>Ministry of Human Resources</i>   | 4,704                                | 67.8        | 1,227                                     | 17.7        | 37  | 0.5        | 156  | 2.2        | 819                              | 11.8       | 6,943           | 100          |
| <b>Institut Latihan Kemahiran<br/>Belia dan Sukan, Kementerian<br/>Belia dan Sukan (KBS)</b><br><i>Public Skills Training Institutions,<br/>Ministry of Youth and Sports</i>  | 2,848                                | 73.8        | 561                                       | 14.5        | 23  | 0.6        | 41   | 1.1        | 388                              | 10.0       | 3,861           | 100          |
| <b>Institusi Latihan Kemahiran<br/>Awam Pertanian, Kementerian<br/>Pertanian dan Keterjaminan<br/>Makanan (KPKM)</b><br><i>Public Skills Training Institutions,<br/>Ministry of Agriculture and Food<br/>Security</i> | 444                                  | 46.3        | 210                                       | 21.9        | 10  | 1.0        | 20   | 2.1        | 274                              | 28.6       | 958             | 100          |
| <b>Institusi Latihan Kemahiran<br/>Awam, Kementerian<br/>Pelancongan Seni dan Budaya<br/>Malaysia (MOTAC)</b><br><i>Public Skills Training Institutions,<br/>Ministry of Tourism, Arts and<br/>Culture</i>            | 25                                   | 38.5        | 11  | 16.9        | 1   | 1.5        | 3  | 4.6        | 25                               | 38.5       | 65              | 100          |
| <b>Institusi Latihan Kemahiran<br/>Awam, Kementerian Kemajuan<br/>Desa dan Wilayah (KKDW)</b><br><i>Public Skills Training Institutions,<br/>Ministry of Rural and Regional<br/>Development</i>                       | 11,544                               | 78.5        | 2,545                                     | 17.3        | 154   | 1.0        | 126  | 0.9        | 343                              | 2.3        | 14,712          | 100          |
| <b>Institusi Latihan Kemahiran<br/>Awam, Kementerian Kerja<br/>Raya (KKR)</b><br><i>Public Skills Training Institutions,<br/>Ministry of Works</i>  | 91                                   | 62.3        | 4   | 2.7         | 16  | 11.0       | 4  | 2.7        | 31                               | 21.2       | 146             | 100          |
| <b>Jumlah<br/>Total</b>   | <b>61,803</b>                        | <b>73.7</b> | <b>14,578</b>                             | <b>17.4</b> | <b>1,224</b>                                  | <b>1.5</b> | <b>1,608</b>   | <b>1.9</b> | <b>4,601</b>                     | <b>5.5</b> | <b>83,814</b>   | <b>100.0</b> |

**Bilangan dan Peratus Graduan Warganegara Malaysia mengikut Status Pekerjaan berdasarkan Bidang Pengajian, 2023**

**Jadual  
Table  
7.4**

*Number and Percentage of Malaysian Graduates based on Employment Status by Field of Studies, 2023*

| Bidang Pengajian<br><i>Field of Studies</i>   | Status Pekerjaan / <i>Employment Status</i> |             |  |             |  |            |  |            |   |             | Jumlah<br><i>Total</i> |            |
|---|---|-------------|--|-------------|--|------------|--|------------|---|-------------|------------------------|------------|
|   | Bekerja<br><i>Employed</i>                  |             | Melanjutkan<br>Pengajian<br><i>Further Study</i> |             | Meningkatkan<br>Kemahiran<br><i>Upgrading Skills</i> |            | Menunggu<br>Penempatan<br>Pekerjaan<br><i>Waiting for Work<br/>Placement</i> |            | Belum Bekerja<br><i>Not Working<br/>Yet</i> |             |                        |            |
|   | Bil.<br>No.                                 | %           | Bil.<br>No.                                      | %           | Bil.<br>No.  | %          | Bil.<br>No.  | %          | Bil.<br>No.                                 | %           | Bil.<br>No.            | %          |
| <b>Program dan Kelayakan Generik</b><br><i>Generic Programmes and<br/>Qualifications</i>                                  | 55  | 80.9        | 3  | 4.4         | 3  | 4.4        | 3  | 4.4        | 4   | 5.9         | 68                     | 100        |
| <b>Pendidikan</b><br><i>Education</i>   | 15,097                                      | 70.9        | 1,523  | 7.2         | 341  | 1.6        | 1,410  | 6.6        | 2,913                                       | 13.7        | 21,284                 | 100        |
| <b>Sastera dan Kemanusiaan</b><br><i>Arts &amp; Humanities</i>  | 17,127                                      | 63.5        | 5,383  | 20.0        | 424  | 1.6        | 521  | 1.9        | 3,516                                       | 13.0        | 26,971                 | 100        |
| <b>Sains sosial, Kewartawanan dan<br/>Maklumat</b><br><i>Social Sciences, Journalism and<br/>Information</i>              | 9,504                                       | 69.2        | 1,725  | 12.6        | 353  | 2.6        | 435  | 3.2        | 1,727                                       | 12.6        | 13,744                 | 100        |
| <b>Perniagaan, Pentadbiran dan<br/>Perundangan</b><br><i>Business, Administration and Law</i>                             | 58,628                                      | 68.7        | 14,061   | 16.5        | 1,215  | 1.4        | 1,972  | 2.3        | 9,424                                       | 11.0        | 85,300                 | 100        |
| <b>Sains semulajadi, Matematik dan<br/>Statistik</b><br><i>Natural Sciences, Mathematics &amp;<br/>Statistics</i>         | 8,050                                       | 59.3        | 3,225  | 23.8        | 607  | 4.5        | 447  | 3.3        | 1,236                                       | 9.1         | 13,565                 | 100        |
| <b>Teknologi Maklumat dan<br/>Komunikasi</b><br><i>Information and Communication<br/>Technologies</i>                     | 14,467                                      | 64.7        | 5,164  | 23.1        | 443  | 2.0        | 434  | 1.9        | 1,866                                       | 8.3         | 22,374                 | 100        |
| <b>Kejuruteraan, Pembuatan dan<br/>Pembinaan</b><br><i>Engineering, Manufacturing &amp;<br/>Construction</i>              | 55,631                                      | 70.6        | 14,164   | 18.0        | 1,888  | 2.4        | 1,997  | 2.5        | 5,138                                       | 6.5         | 78,818                 | 100        |
| <b>Pertanian, Perhutanan,<br/>Perikanan dan Veterinar</b><br><i>Agriculture, Forestry, Fisheries &amp;<br/>Veterinary</i> | 2,749                                       | 57.0        | 1,066  | 22.1        | 253  | 5.2        | 170  | 3.5        | 588   | 12.2        | 4,826                  | 100        |
| <b>Kesihatan dan Kebajikan</b><br><i>Health &amp; Welfare</i>   | 11,740                                      | 67.2        | 1,187  | 6.8         | 166  | 0.9        | 2,301  | 13.2       | 2,088                                       | 11.9        | 17,482                 | 100        |
| <b>Perkhidmatan</b><br><i>Services</i>  | 13,752                                      | 68.6        | 3,009  | 15.0        | 178  | 0.9        | 489  | 2.4        | 2,606                                       | 13.0        | 20,034                 | 100        |
| <b>Jumlah<br/>Total</b>   | <b>206,800</b>                              | <b>67.9</b> | <b>50,510</b>                                    | <b>16.6</b> | <b>5,871</b>   | <b>1.9</b> | <b>10,179</b>  | <b>3.3</b> | <b>31,106</b>                               | <b>10.2</b> | <b>304,466</b>         | <b>100</b> |

**Jadual**  
**Table**  
**7.5**
**Bilangan dan Peratus Graduan Warganegara Malaysia mengikut Status Pekerjaan berdasarkan Peringkat Pengajian, 2023**
*Number and Percentage of Malaysian Graduates based on Employment Status by Level of Studies, 2023*

| Peringkat Pengajian<br>Level of Studies                             | Status Pekerjaan / Employment Status |             |   |             |   |            |  |            |                                  |             | Jumlah<br>Total |            |
|---|--------------------------------------|-------------|---|-------------|---|------------|--|------------|----------------------------------|-------------|-----------------|------------|
|   | Bekerja<br>Employed                  |             | Melanjutkan<br>Pengajian<br>Further Study |             | Meningkatkan<br>Kemahiran<br>Upgrading Skills |            | Menunggu<br>Penempatan<br>Pekerjaan<br>Waiting for Work<br>Placement |            | Belum Bekerja<br>Not Working Yet |             |                 |            |
|   | Bil<br>No.                           | %           | Bil<br>No.                                | %           | Bil<br>No.                                    | %          | Bil<br>No.   | %          | Bil<br>No.                       | %           | Bil<br>No.      | %          |
| <b>Doktor Falsafah (Ph.D)</b><br><i>Doctor of Philosophy (Ph.D)</i> | 2,321                                | 87.7        | 14  | 0.5         | 78  | 2.9        | 79   | 3.0        | 154                              | 5.8         | <b>2,646</b>    | <b>100</b> |
| <b>Sarjana</b><br><i>Master</i>                                     | 16,797                               | 88.7        | 678                                       | 3.6         | 288   | 1.5        | 301  | 1.6        | 876                              | 4.6         | <b>18,940</b>   | <b>100</b> |
| <b>Diploma Pascasiswazah</b><br><i>Postgraduate Diploma</i>         | 2,308                                | 77.4        | 34  | 1.1         | 27  | 0.9        | 331  | 11.1       | 283                              | 9.5         | <b>2,983</b>    | <b>100</b> |
| <b>Sarjana Muda</b><br><i>Bachelor</i>                              | 103,433                              | 76.3        | 6,931                                     | 5.1         | 4,341   | 3.2        | 7,040  | 5.2        | 13,777                           | 10.2        | <b>135,522</b>  | <b>100</b> |
| <b>Diploma lanjutan</b><br><i>Advanced Diploma</i>                  | 182                                  | 87.5        | 13  | 6.3         | 0   | 0.0        | 2  | 1.0        | 11                               | 5.3         | <b>208</b>      | <b>100</b> |
| <b>Diploma</b><br><i>Diploma</i>                                    | 61,554                               | 53.4        | 36,336                                    | 31.5        | 938   | 0.8        | 2,124  | 1.8        | 14,344                           | 12.4        | <b>115,296</b>  | <b>100</b> |
| <b>Sijil</b><br><i>Certificate</i>                                  | 19,284                               | 69.3        | 6,400                                     | 23.0        | 194   | 0.7        | 300  | 1.1        | 1,644                            | 5.9         | <b>27,822</b>   | <b>100</b> |
| <b>Profesional</b><br><i>Professional</i>                           | 128                                  | 91.4        | 4   | 2.9         | 1   | 0.7        | 1  | 0.7        | 6                                | 4.3         | <b>140</b>      | <b>100</b> |
| <b>Sijil Pascasiswazah</b><br><i>Postgraduate Certificate</i>       | 29                                   | 100.0       | 0   | 0.0         | 0   | 0.0        | 0  | 0.0        | 0                                | 0.0         | <b>29</b>       | <b>100</b> |
| <b>Sijil Lanjutan</b><br><i>Advanced Certificate</i>                | 656                                  | 85.5        | 96  | 12.5        | 4   | 0.5        | 1  | 0.1        | 10                               | 1.3         | <b>767</b>      | <b>100</b> |
| <b>Sijil Siswazah</b><br><i>Graduate Certificate</i>                | 37                                   | 90.2        | 4   | 9.8         | 0   | 0.0        | 0  | 0.0        | 0                                | 0.0         | <b>41</b>       | <b>100</b> |
| <b>Diploma Siswazah</b><br><i>Graduate Diploma</i>                  | 71                                   | 98.6        | 0   | 0.0         | 0   | 0.0        | 0  | 0.0        | 1                                | 1.4         | <b>72</b>       | <b>100</b> |
| <b>Jumlah</b><br><i>Total</i>                                       | <b>206,800</b>                       | <b>67.9</b> | <b>50,510</b>                             | <b>16.6</b> | <b>5,871</b>                                  | <b>1.9</b> | <b>10,179</b>  | <b>3.3</b> | <b>31,106</b>                    | <b>10.2</b> | <b>304,466</b>  | <b>100</b> |

**Bilangan dan Peratus Graduan Warganegara Malaysia mengikut Status Pekerjaan berdasarkan Negeri Bermastautin, 2023**

Jadual  
Table  
**7.6**

*Number and Percentage of Malaysian Graduates based on Employment Status by Residential States, 2023*

| Negeri Bermastautin<br><i>Residential States</i> | Status Pekerjaan / <i>Employment Status</i> |             |  |             |  |            |  |            |   |             | Jumlah<br><i>Total</i> |            |
|--|---|-------------|--|-------------|--|------------|--|------------|---|-------------|------------------------|------------|
|  | Bekerja<br><i>Employed</i>                  |             | Melanjutkan<br>Pengajian<br><i>Further Study</i> |             | Meningkatkan<br>Kemahiran<br><i>Upgrading Skills</i> |            | Menunggu<br>Penempatan<br>Pekerjaan<br><i>Waiting for Work<br/>Placement</i> |            | Belum Bekerja<br><i>Not Working Yet</i> |             |                        |            |
|  | Bil<br>No.                                  | %           | Bil<br>No.                                       | %           | Bil<br>No.   | %          | Bil<br>No.   | %          | Bil<br>No.                              | %           | Bil<br>No.             | %          |
| Johor  | 23,110                                      | 70.2        | 4,930  | 15.0        | 674  | 2.0        | 1,093  | 3.3        | 3,100                                   | 9.4         | 32,907                 | 100        |
| Kedah  | 14,649                                      | 66.7        | 3,775  | 17.2        | 507  | 2.3        | 776  | 3.5        | 2,270                                   | 10.3        | 21,977                 | 100        |
| Kelantan   | 10,083                                      | 61.8        | 3,043  | 18.6        | 376  | 2.3        | 691  | 4.2        | 2,125                                   | 13.0        | 16,318                 | 100        |
| Melaka   | 6,739                                       | 67.8        | 1,697  | 17.1        | 161  | 1.6        | 340  | 3.4        | 1,003                                   | 10.1        | 9,940                  | 100        |
| Negeri Sembilan                                  | 8,873                                       | 66.3        | 2,505  | 18.7        | 235  | 1.8        | 411  | 3.1        | 1,356                                   | 10.1        | 13,380                 | 100        |
| Pahang   | 9,073                                       | 66.5        | 2,240  | 16.4        | 284  | 2.1        | 498  | 3.6        | 1,554                                   | 11.4        | 13,649                 | 100        |
| Pulau Pinang                                     | 13,041                                      | 71.3        | 2,873  | 15.7        | 346  | 1.9        | 550  | 3.0        | 1,482                                   | 8.1         | 18,292                 | 100        |
| Perak  | 14,743                                      | 66.8        | 3,526  | 16.0        | 488  | 2.2        | 863  | 3.9        | 2,463                                   | 11.2        | 22,083                 | 100        |
| Perlis   | 1,720                                       | 61.8        | 617  | 22.2        | 68   | 2.4        | 93   | 3.3        | 284                                     | 10.2        | 2,782                  | 100        |
| Selangor   | 52,260                                      | 68.8        | 13,817   | 18.2        | 1,149  | 1.5        | 1,854  | 2.4        | 6,864                                   | 9.0         | 75,944                 | 100        |
| Terengganu                                       | 8,344                                       | 63.6        | 2,430  | 18.5        | 312  | 2.4        | 425  | 3.2        | 1,607                                   | 12.3        | 13,118                 | 100        |
| Sabah  | 11,651                                      | 66.2        | 2,115  | 12.0        | 422  | 2.4        | 990  | 5.6        | 2,423                                   | 13.8        | 17,601                 | 100        |
| Sarawak  | 12,252                                      | 66.4        | 2,749  | 14.9        | 441  | 2.4        | 804  | 4.4        | 2,214                                   | 12.0        | 18,460                 | 100        |
| Wilayah Persekutuan<br>Kuala Lumpur              | 17,974                                      | 71.8        | 3,802  | 15.2        | 368  | 1.5        | 714  | 2.9        | 2,174                                   | 8.7         | 25,032                 | 100        |
| Wilayah Persekutuan<br>Labuan                    | 475   | 73.0        | 70   | 10.8        | 15   | 2.3        | 29   | 4.5        | 62                                      | 9.5         | 651                    | 100        |
| Wilayah Persekutuan<br>Putrajaya                 | 1,476                                       | 76.9        | 275  | 14.3        | 20   | 1.0        | 39   | 2.0        | 109                                     | 5.7         | 1,919                  | 100        |
| Luar Negara                                      | 248   | 80.8        | 35   | 11.4        | 4  | 1.3        | 7  | 2.3        | 13                                      | 4.2         | 307                    | 100        |
| <b>Jumlah<br/>Total</b>                          | <b>206,711</b>                              | <b>67.9</b> | <b>50,499</b>                                    | <b>16.6</b> | <b>5,870</b>   | <b>1.9</b> | <b>10,177</b>  | <b>3.3</b> | <b>31,103</b>                           | <b>10.2</b> | <b>304,360</b>         | <b>100</b> |

Nota / Note: 106 responden tiada maklumat negeri bermastautin / 106 respondents without information on residential state

Jadual  
Table  
7.7

Bilangan dan Peratus Graduan Warganegara Malaysia mengikut Kategori IPT berdasarkan Taraf Pekerjaan, 2023

Number and Percentage of Malaysian Graduates based on Types of HEIs by Employment Level, 2023

| Jenis IPT<br>Types of HEIs   | Taraf pekerjaan / Employment Level   |             |  |             |   |            |                          |             | Jumlah<br>Total |            |
|--|--------------------------------------|-------------|--|-------------|---|------------|--------------------------|-------------|-----------------|------------|
|  | Pekerja Kerajaan<br>Government Staff |             | Pekerja Swasta<br>(termasuk NGO)<br>Private Staff<br>(including NGO) |             | Bekerja dengan<br>Keluarga<br>Working with Family |            | Usahawan<br>Entrepreneur |             |                 |            |
|  | Bil<br>No.                           | %           | Bil<br>No.   | %           | Bil<br>No.  | %          | Bil<br>No.               | %           | Bil<br>No.      | %          |
| Universiti Awam<br>Public Universities   | 18,105                               | 19.7        | 61,705   | 67.1        | 4,371   | 4.8        | 7,832                    | 8.5         | 92,013          | 100        |
| Institusi Pendidikan Tinggi<br>Swasta<br>Private HEIs  | 7,431                                | 11.7        | 47,260   | 74.2        | 2,461   | 3.9        | 6,566                    | 10.3        | 63,718          | 100        |
| Politeknik<br>Polytechnics   | 1,533                                | 7.0         | 16,629   | 76.4        | 1,458   | 6.7        | 2,137                    | 9.8         | 21,757          | 100        |
| Kolej Komuniti<br>Community Colleges   | 173                                  | 4.1         | 3,192  | 75.5        | 356   | 8.4        | 509                      | 12.0        | 4,230           | 100        |
| Kolej Vokasional<br>Vocational Colleges  | 231                                  | 5.0         | 3,483  | 76.1        | 294   | 6.4        | 571                      | 12.5        | 4,579           | 100        |
| Institusi Latihan Kemahiran<br>Awam, Kementerian Sumber<br>Manusia (KESUMA)<br>Public Skills Training Institutions,<br>Ministry of Human Resources   | 283                                  | 6.0         | 3,675  | 78.1        | 163   | 3.5        | 583                      | 12.4        | 4,704           | 100        |
| Institut Latihan Kemahiran Belia<br>dan Sukan, Kementerian Belia<br>dan Sukan (KBS)<br>Public Skills Training Institutions,<br>Ministry of Youth and Sports  | 222                                  | 7.8         | 2,061  | 72.4        | 131   | 4.6        | 434                      | 15.2        | 2,848           | 100        |
| Institusi Latihan Kemahiran<br>Awam Pertanian, Kementerian<br>Pertanian dan Keterjaminan<br>Makanan (KPKM)<br>Public Skills Training Institutions,<br>Ministry of Agriculture and Food<br>Security | 41                                   | 9.2         | 247  | 55.6        | 62  | 14.0       | 94                       | 21.2        | 444             | 100        |
| Institusi Latihan Kemahiran<br>Awam, Kementerian<br>Pelancongan Seni dan Budaya<br>Malaysia (MOTAC)<br>Public Skills Training Institutions,<br>Ministry of Tourism, Arts and<br>Culture            | 5                                    | 20.0        | 16   | 64.0        | 2   | 8.0        | 2                        | 8.0         | 25              | 100        |
| Institusi Latihan Kemahiran<br>Awam, Kementerian Kemajuan<br>Desa dan Wilayah (KKDW)<br>Public Skills Training Institutions,<br>Ministry of Rural and Regional<br>Development                      | 457                                  | 4.0         | 5,800  | 50.2        | 1,468   | 12.7       | 3,819                    | 33.1        | 11,544          | 100        |
| Institusi Latihan Kemahiran<br>Awam, Kementerian Kerja Raya<br>(KKR)<br>Public Skills Training Institutions,<br>Ministry of Works  | 1                                    | 1.1         | 70   | 76.9        | 7   | 7.7        | 13                       | 14.3        | 91              | 100        |
| IPT Lain<br>Other HEIs   | 54                                   | 6.4         | 621  | 73.3        | 43  | 5.1        | 129                      | 15.2        | 847             | 100        |
| <b>Jumlah<br/>Total</b>  | <b>28,536</b>                        | <b>13.8</b> | <b>144,759</b>   | <b>70.0</b> | <b>10,816</b>                                     | <b>5.2</b> | <b>22,689</b>            | <b>11.0</b> | <b>206,800</b>  | <b>100</b> |

Nota / Note :

Usahawan termasuk bekerja sendiri/ freelance dan majikan. / Entrepreneur is including self-employed/ freelance and employer

Bilangan dan Peratus Graduan Warganegara Malaysia mengikut Kategori IPT berdasarkan Taraf Jawatan, 2023

Jadual  
Table  
**7.8**

Number and Percentage of Malaysian Graduates based on Types of HEIs by Position Level, 2023

| Jenis IPT<br>Types of HEIs  | Taraf Jawatan / Position Level |             |                     |             |                        |             |                              |            | Jumlah<br>Total |            |
|---|--------------------------------|-------------|---------------------|-------------|------------------------|-------------|------------------------------|------------|-----------------|------------|
|   | Tetap<br>Permanent             |             | Kontrak<br>Contract |             | Sementara<br>Temporary |             | Sambilan/Separa<br>Part Time |            |                 |            |
|   | Bil.<br>No.                    | %           | Bil.<br>No.         | %           | Bil.<br>No.            | %           | Bil.<br>No.                  | %          | Bil.<br>No.     | %          |
| <b>Universiti Awam</b><br><i>Public Universities</i>  | 45,313                         | 56.8        | 23,398              | 29.3        | 7,446                  | 9.3         | 3,653                        | 4.6        | 79,810          | 100        |
| <b>Institusi Pendidikan Tinggi Swasta</b><br><i>Private HEIs</i>  | 34,769                         | 63.6        | 12,819              | 23.4        | 5,009                  | 9.2         | 2,094                        | 3.8        | 54,691          | 100        |
| <b>Politeknik</b><br><i>Polytechnics</i>  | 10,459                         | 57.6        | 4,783               | 26.3        | 2,037                  | 11.2        | 883                          | 4.9        | 18,162          | 100        |
| <b>Kolej Komuniti</b><br><i>Community Colleges</i>  | 2,031                          | 60.4        | 561                 | 16.7        | 624                    | 18.5        | 149                          | 4.4        | 3,365           | 100        |
| <b>Kolej Vokasional</b><br><i>Vocational Colleges</i>   | 1,857                          | 50.0        | 833                 | 22.4        | 744                    | 20.0        | 280                          | 7.5        | 3,714           | 100        |
| <b>Institusi Latihan Kemahiran Awam, Kementerian Sumber Manusia (KESUMA)</b><br><i>Public Skills Training Institutions, Ministry of Human Resources</i>   | 2,307                          | 58.3        | 1178                | 29.8        | 384                    | 9.7         | 89                           | 2.2        | 3,958           | 100        |
| <b>Institut Latihan Kemahiran Belia dan Sukan, Kementerian Belia dan Sukan (KBS)</b><br><i>Public Skills Training Institutions, Ministry of Youth and Sports</i>                                  | 1572                           | 68.9        | 467                 | 20.5        | 211                    | 9.2         | 33                           | 1.4        | 2,283           | 100        |
| <b>Institusi Latihan Kemahiran Awam Pertanian, Kementerian Pertanian dan Keterjaminan Makanan (KPKM)</b><br><i>Public Skills Training Institutions, Ministry of Agriculture and Food Security</i> | 119                            | 41.3        | 65                  | 22.6        | 77                     | 26.7        | 27                           | 9.4        | 288             | 100        |
| <b>Institusi Latihan Kemahiran Awam, Kementerian Pelancongan Seni dan Budaya Malaysia (MOTAC)</b><br><i>Public Skills Training Institutions, Ministry of Tourism, Arts and Culture</i>            | 9                              | 42.9        | 6                   | 28.6        | 3                      | 14.3        | 3                            | 14.3       | 21              | 100        |
| <b>Institusi Latihan Kemahiran Awam, Kementerian Kemajuan Desa dan Wilayah (KKDW)</b><br><i>Public Skills Training Institutions, Ministry of Rural and Regional Development</i>                   | 2,810                          | 44.9        | 1,876               | 30.0        | 1,213                  | 19.4        | 358                          | 5.7        | 6,257           | 100        |
| <b>Institusi Latihan Kemahiran Awam, Kementerian Kerja Raya (KKR)</b><br><i>Public Skills Training Institutions, Ministry of Works</i>  | 10                             | 14.1        | 55                  | 77.5        | 3                      | 4.2         | 3                            | 4.2        | 71              | 100        |
| <b>IPT Lain</b><br><i>Other HEIs</i>  | 277                            | 41.0        | 187                 | 27.7        | 131                    | 19.4        | 80                           | 11.9       | 675             | 100        |
| <b>Jumlah Total</b>   | <b>101,533</b>                 | <b>58.6</b> | <b>46,228</b>       | <b>26.7</b> | <b>17,882</b>          | <b>10.3</b> | <b>7,652</b>                 | <b>4.4</b> | <b>173,295</b>  | <b>100</b> |

Nota / Note :

Maklumat taraf jawatan hanya melibatkan responden yang merupakan pekerja kerajaan dan pekerja swasta.  
Information on position level involves respondent with government worker and private sector employee.

**Jadual**  
**Table**  
**7.9**
**Bilangan dan Peratus Graduan Warganegara Malaysia mengikut Kategori IPT berdasarkan Sektor Pekerjaan, 2023**
*Number and Percentage of Malaysian Graduates based on Employment Sector by Types of HEIs, 2023*

| Jenis IPT<br>Types of HEIs  | Sektor Pekerjaan / Employment Sector |     |   |      |                                    |      |  |     |   |      |   |      |   |     |                                   |      | Jumlah<br>Total |     |
|---|--------------------------------------|-----|---|------|------------------------------------|------|--|-----|---|------|---|------|---|-----|-----------------------------------|------|-----------------|-----|
|   | Badan Berkanun<br>Statutory Bodies   |     | Swasta Multinasional<br>Private (Multinational) |      | Swasta Tempatan<br>Private (Local) |      | Berkaitan Kerajaan<br>(GLC)<br>Government<br>Linked<br>Companies |     | Pertubuhan<br>Bukan<br>Kerajaan<br>(NGO)<br>Non<br>Government<br>Organisation |      | Kerajaan Persekutuan<br>Federal<br>Government |      | Kerajaan Negeri/<br>Tempatan<br>State<br>Government |     | Ekonomi Bebas<br>'Gig'<br>Economy |      |                 |     |
|   | Bil.                                 | %   | Bil.  | %    | Bil.                               | %    | Bil.   | %   | Bil.  | %    | Bil.  | %    | Bil.  | %   | Bil.                              | %    | Bil. No.        | %   |
| Universiti Awam<br>Public Universities  | 3,268                                | 3.6 | 14,643  | 15.9 | 40,038                             | 43.5 | 5,046  | 5.5 | 7,245   | 7.9  | 10,961  | 11.9 | 3,876   | 4.2 | 6,936                             | 7.5  | 92,013          | 100 |
| Institusi Pendidikan Tinggi Swasta<br>Private HEIs  | 1,200                                | 1.9 | 12,216  | 19.2 | 33,347                             | 52.3 | 1,938  | 3.0 | 5,218   | 8.2  | 3,812   | 6.0  | 2,420   | 3.8 | 3,567                             | 5.6  | 63,718          | 100 |
| Politeknik<br>Polytechnics  | 278                                  | 1.3 | 3,193   | 14.7 | 12,165                             | 55.9 | 460  | 2.1 | 1,797   | 8.3  | 542   | 2.5  | 713   | 3.3 | 2,609                             | 12.0 | 21,757          | 100 |
| Kolej Komuniti<br>Community Colleges  | 23                                   | 0.5 | 416   | 9.8  | 2,920                              | 69.0 | 53   | 1.3 | 213   | 5.0  | 63  | 1.5  | 87  | 2.1 | 455                               | 10.8 | 4,230           | 100 |
| Kolej Vokasional<br>Vocational Colleges   | 32                                   | 0.7 | 450   | 9.8  | 3,022                              | 66.0 | 48   | 1.0 | 353   | 7.7  | 57  | 1.2  | 142   | 3.1 | 475                               | 10.4 | 4,579           | 100 |
| Institusi Latihan Kemahiran Awam, Kementerian Sumber Manusia (KESUMA)<br>Public Skills Training Institutions, Ministry of Human Resources   | 38                                   | 0.8 | 686   | 14.6 | 2,978                              | 63.3 | 70   | 1.5 | 348   | 7.4  | 115   | 2.4  | 130   | 2.8 | 339                               | 7.2  | 4,704           | 100 |
| Institut Latihan Kemahiran Belia dan Sukan, Kementerian Belia dan Sukan (KBS)<br>Public Skills Training Institutions, Ministry of Youth and Sports                                  | 31                                   | 1.1 | 301   | 10.6 | 1,826                              | 64.1 | 52   | 1.8 | 181   | 6.4  | 76  | 2.7  | 115   | 4.0 | 266                               | 9.3  | 2,848           | 100 |
| Institusi Latihan Kemahiran Awam Pertanian, Kementerian Pertanian dan Keterjaminan Makanan (KPKM)<br>Public Skills Training Institutions, Ministry of Agriculture and Food Security | 6                                    | 1.4 | 19  | 4.3  | 230                                | 51.8 | 13   | 2.9 | 57  | 12.8 | 6   | 1.4  | 29  | 6.5 | 84                                | 18.9 | 444             | 100 |

## Bilangan dan Peratus Graduan Warganegara Malaysia mengikut Kategori IPT berdasarkan Sektor Pekerjaan, 2023 (samb.)

Jadual  
Table  
7.9

Number and Percentage of Malaysian Graduates based on Employment Sector by Types of HEIs, 2023 (cont.)

| Jenis IPT<br>Types of HEIs   | Sektor Pekerjaan / Employment Sector |            |   |             |                                    |             |  |            |  |            |  |            |  |            |                                   |            | Jumlah<br>Total |            |
|--|--------------------------------------|------------|---|-------------|------------------------------------|-------------|--|------------|--|------------|--|------------|--|------------|-----------------------------------|------------|-----------------|------------|
|  | Badan Berkanun<br>Statutory Bodies   |            | Swasta Multinasional<br>Private (Multinational) |             | Swasta Tempatan<br>Private (Local) |             | Berkaitan Kerajaan<br>(GLC)<br>Government<br>Linked<br>Companies |            | Pertubuhan Bukan Kerajaan<br>(NGO)<br>Non-Government<br>Organisation |            | Kerajaan Persekutuan<br>Federal Government |            | Kerajaan Negeri/<br>Tempatan<br>State Government |            | Ekonomi Bebas<br>'Gig'<br>Economy |            |                 |            |
|  | Bil.                                 | %          | Bil.  | %           | Bil.                               | %           | Bil.   | %          | Bil.   | %          | Bil.                                       | %          | Bil.   | %          | Bil.                              | %          | Bil. No.        | %          |
| Institusi Latihan Kemahiran Awam, Kementerian Pelancongan Seni dan Budaya Malaysia<br><i>Public Skills Training Institutions, Ministry of Tourism, Arts and Culture</i>  | 1                                    | 4.0        | 3   | 12.0        | 11                                 | 44.0        | 0  | 0.0        | 3  | 12.0       | 1  | 4.0        | 3  | 12.0       | 3                                 | 12.0       | 25              | 100        |
| Institusi Latihan Kemahiran Awam, Kementerian Kemajuan Desa dan Wilayah (KKDW)<br><i>Public Skills Training Institutions, Ministry of Rural and Regional Development</i> | 42                                   | 0.4        | 592   | 5.1         | 7,140                              | 61.9        | 112  | 1.0        | 945  | 8.2        | 169  | 1.5        | 246  | 2.1        | 2298                              | 19.9       | 11,544          | 100        |
| Institusi Latihan Kemahiran Awam, Kementerian Kerja Raya<br><i>Public Skills Training Institutions, Ministry of Works</i>  | 0                                    | 0.0        | 0   | 0.0         | 86                                 | 94.5        | 1  | 1.1        | 0  | 0.0        | 0  | 0.0        | 1  | 1.1        | 3                                 | 3.3        | 91              | 100        |
| IPT Lain<br><i>Others HEIs</i>   | 10                                   | 1.2        | 102   | 12.0        | 489                                | 57.7        | 14   | 1.7        | 74   | 8.7        | 21   | 2.5        | 23   | 2.7        | 114                               | 13.5       | 847             | 100        |
| <b>Jumlah Total</b>  | <b>4,929</b>                         | <b>2.4</b> | <b>32,621</b>                                   | <b>15.8</b> | <b>104,253</b>                     | <b>50.4</b> | <b>7,807</b>   | <b>3.8</b> | <b>16,434</b>  | <b>7.9</b> | <b>15,823</b>                              | <b>7.7</b> | <b>7,784</b>                                     | <b>3.8</b> | <b>17,149</b>                     | <b>8.3</b> | <b>206,800</b>  | <b>100</b> |

## Nota / Note :

Ekonomi Bebas / 'Gig Economy' (cth: Grab/FoodPanda/Lalamove/Dropship Agent/Personal Shopper dll)

**Jadual**  
**Table**  
**7.10**
**Taburan Graduan Warganegara Malaysia Mengikut Jenis IPT dan Sebab Belum Bekerja, 2023**
*Distribution of Malaysian Graduates based on Types of HEIs and Reasons for Not Working Yet, 2023*

| Sebab Belum Bekerja/<br>Reasons for Not Working Yet   | Jenis IPT / Types of HEIs                 |                                       |  |  |   |  |                                  |   |   |   |                                       |                                      | Jumlah<br>Total<br>(n=31,106) |
|---|---|---------------------------------------|--|--|---|--|----------------------------------|---|---|---|---------------------------------------|--------------------------------------|-------------------------------|
|   | UA<br>Public<br>Universities<br>(n=9,286) | IPTS<br>Private<br>HEIs<br>(n=17,258) | Politeknik<br>Poly-technics<br>(n=811) | Kolej Komuniti<br>Community<br>Colleges<br>(n=120) | Kolej Vokasional<br>Vocational<br>Colleges<br>(n=1,230) | ILKA<br>KESU<br>MA<br>PSTI,<br>MOHR<br>(n=819) | ILKBS<br>PSTI,<br>KBS<br>(n=388) | ILKAP<br>KPKM<br>PSTI,<br>MAFS<br>(n=274) | ILKA<br>MOTAC<br>PSTI,<br>MOTAC<br>(n=25) | ILKA<br>KKDW<br>PSTI,<br>RURAL<br>LINK<br>(n=343) | ILKA<br>KKR<br>PSTI,<br>MOW<br>(n=31) | IPT lain<br>Other<br>HEIs<br>(n=521) |                               |
|   | ( % )                                     |                                       |  |  |   |  |                                  |   |   |   |                                       |                                      |                               |
| Sedang mencari pekerjaan<br>Still seeking for job   | 72.2                                      | 61.9                                  | 54.7                                   | 54.2   | 66.8  | 71.4   | 69.1                             | 72.3                                      | 80.0                                      | 65.6  | 80.6                                  | 41.7                                 | 65.1                          |
| Menunggu keputusan/<br>tawaran melanjutkan pengajian<br>Waiting for placement to<br>further study | 9.5                                       | 16.0                                  | 25.6                                   | 10.8   | 16.2  | 10.5   | 5.9                              | 14.6                                      | 4.0                                       | 13.4  | 3.2                                   | 38.4                                 | 14.3                          |
| Berehat/<br>melancong/<br>bercuti<br>Taking a break/<br>travelling/<br>vacation                   | 4.5                                       | 9.8                                   | 5.4                                    | 4.2  | 6.3   | 2.7  | 4.6                              | 3.6                                       | 0.0                                       | 2.3   | 0.0                                   | 8.4                                  | 7.5                           |
| Tanggung jawab terhadap keluarga<br>Responsibility towards family                                 | 6.1                                       | 4.7                                   | 6.3                                    | 13.3   | 5.1   | 5.7  | 6.2                              | 4.4                                       | 4.0                                       | 8.7   | 9.7                                   | 3.1                                  | 5.3                           |
| Sebab kesihatan/<br>bersalin/<br>hilang upaya<br>Health reason                                    | 2.5                                       | 1.3                                   | 2.1                                    | 9.2  | 0.7   | 1.7  | 3.6                              | 0.4                                       | 0.0                                       | 3.8   | 0.0                                   | 1.0                                  | 2                             |
| Memilih untuk tidak bekerja<br>Choose not to work   | 1.4                                       | 1.6                                   | 1.5                                    | 4.2  | 1.1   | 1.2  | 1.8                              | 1.8                                       | 0.0                                       | 1.2   | 0.0                                   | 3.8                                  | 1.6                           |
| Pekerjaan yang ditawarkan tidak<br>bersesuaian<br>Jobs offered are not suitable                   | 1.1                                       | 1.7                                   | 1.4                                    | 0.8  | 0.9   | 3.2  | 5.2                              | 1.5                                       | 0.0                                       | 1.5   | 3.2                                   | 1.5                                  | 1.5                           |

