

## LAMPIRAN 2. KLASIFIKASI BIDANG PENELITIAN

| BIDANG                                            | KELOMPOK                                                                                                          | KODE |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|------|
| <b>1. Natural Sciences</b>                        | Mathematical Sciences                                                                                             | 1.01 |
|                                                   | Physical Sciences                                                                                                 | 1.02 |
|                                                   | Chemical Sciences                                                                                                 | 1.03 |
|                                                   | Earth Sciences                                                                                                    | 1.04 |
|                                                   | Biological Sciences                                                                                               | 1.05 |
|                                                   | Information, Computing, and Communication Sciences                                                                | 1.06 |
|                                                   | Other Natural Sciences<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)                        | 1.07 |
| <b>2. Engineering and Technology</b>              | Industrial Biotechnology and Food Sciences                                                                        | 2.01 |
|                                                   | Aerospace Engineering                                                                                             | 2.01 |
|                                                   | Manufacturing Engineering                                                                                         | 2.02 |
|                                                   | Automotive Engineering                                                                                            | 2.03 |
|                                                   | Mechanical and Industrial Engineering                                                                             | 2.04 |
|                                                   | Chemical Engineering                                                                                              | 2.05 |
|                                                   | Resources Engineering                                                                                             | 2.06 |
|                                                   | Civil Engineering                                                                                                 | 2.07 |
|                                                   | Electrical and Electronic Engineering                                                                             | 2.08 |
|                                                   | Geomatic Engineering                                                                                              | 2.09 |
|                                                   | Environmental Engineering                                                                                         | 2.10 |
|                                                   | Maritime Engineering                                                                                              | 2.11 |
|                                                   | Metallurgy                                                                                                        | 2.12 |
|                                                   | Materials Engineering                                                                                             | 2.13 |
|                                                   | Biomedical Engineering                                                                                            | 2.14 |
|                                                   | Computer Hardware                                                                                                 | 2.15 |
|                                                   | Communications Technologies                                                                                       | 2.16 |
|                                                   | Interdisciplinary Engineering                                                                                     | 2.17 |
|                                                   | Other Engineering and Technology<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)              | 2.18 |
| <b>3. Agricultural and Environmental Sciences</b> | Agricultural and Veterinary Sciences                                                                              | 3.01 |
|                                                   | Environmental Sciences                                                                                            | 3.02 |
|                                                   | Architecture, Urban Environment and Building                                                                      | 3.03 |
|                                                   | Other Agricultural and Environmental Sciences<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner) | 3.04 |
| <b>4. Medical Sciences</b>                        | Medical Sciences                                                                                                  | 4.01 |
|                                                   | Public Health and Health Services                                                                                 | 4.02 |
|                                                   | Other Medical and Health Sciences<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)             | 4.03 |
| <b>5. Social Sciences</b>                         | Education                                                                                                         | 5.01 |
|                                                   | Economics                                                                                                         | 5.02 |
|                                                   | Commerce, Management, Tourism and Services                                                                        | 5.03 |
|                                                   | Policy and Political Sciences                                                                                     | 5.04 |

| BIDANG               | KELOMPOK                                                                                         | KODE |
|----------------------|--------------------------------------------------------------------------------------------------|------|
|                      | Studies in Human Society                                                                         | 5.05 |
|                      | Behavioural and Cognitive Sciences                                                               | 5.06 |
|                      | Law, Justice, and Law Enforcement                                                                | 5.07 |
|                      | Journalism, Librarianship and Curatorial Studies                                                 | 5.08 |
|                      | Other Social Sciences<br><i>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)</i> | 5.09 |
| <b>6. Humanities</b> | The Arts                                                                                         | 6.01 |
|                      | Language and Culture                                                                             | 6.02 |
|                      | History and Archeology                                                                           | 6.03 |
|                      | Philosophy and Religion                                                                          | 6.04 |
|                      | Other Humanities<br><i>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)</i>      | 6.05 |

### LAMPIRAN 3. KLASIFIKASI TUJUAN SOSIAL EKONOMI (TSE)

| KATEGORI                                                | KELOMPOK                                                                                                                                         | KODE  |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| <b>DIVISION 1 : DEFENCE</b>                             |                                                                                                                                                  |       |
| <b>1. Defence</b>                                       | Military and Politics                                                                                                                            | 01.01 |
|                                                         | Military Technology                                                                                                                              | 01.02 |
|                                                         | Military doctrine, education, and training                                                                                                       | 01.03 |
|                                                         | Military Capabilities                                                                                                                            | 01.04 |
|                                                         | Police and internal security                                                                                                                     | 01.05 |
| <b>DIVISION 2 : ECONOMIC DEVELOPMENT</b>                |                                                                                                                                                  |       |
| <b>2. Plant Production and Plant Primary Products</b>   | Field crops                                                                                                                                      | 02.01 |
|                                                         | Plantation crops                                                                                                                                 | 02.02 |
|                                                         | Horticultural crops                                                                                                                              | 02.03 |
|                                                         | Forestry                                                                                                                                         | 02.04 |
|                                                         | Primary products from plants                                                                                                                     | 02.05 |
|                                                         | By-products utilisation                                                                                                                          | 02.06 |
|                                                         | Herbs, Spices and Medicinal Plants                                                                                                               | 02.07 |
|                                                         | Other plant production and plant primary products not elsewhere classified<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)   | 02.08 |
| <b>3. Animal Production and Animal Primary Products</b> | Livestock                                                                                                                                        | 03.01 |
|                                                         | Pasture, browse and fodder crops                                                                                                                 | 03.02 |
|                                                         | Fisheries products                                                                                                                               | 03.03 |
|                                                         | Primary & by-products from animals                                                                                                               | 03.04 |
|                                                         | Other animal production and animal primary products not elsewhere classified<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner) | 03.05 |
| <b>4. Mineral resources (excluding energy)</b>          | Exploration                                                                                                                                      | 04.01 |
|                                                         | Primary mining and extraction processes                                                                                                          | 04.02 |
|                                                         | First stage treatment of ores and minerals                                                                                                       | 04.03 |
|                                                         | Prevention and Treatment of Pollution                                                                                                            | 04.04 |
|                                                         | Other mineral resources (excluding energy) not elsewhere classified<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)          | 04.05 |
| <b>5. Energy resources</b>                              | Exploration                                                                                                                                      | 05.01 |
|                                                         | Mining and extraction                                                                                                                            | 05.02 |
|                                                         | Preparation and supply of energy source materials                                                                                                | 05.03 |
|                                                         | Non-conventional energy resources                                                                                                                | 05.04 |
|                                                         | Nuclear Energy                                                                                                                                   | 05.05 |
|                                                         | Other energy resources not elsewhere classified<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)                              | 05.06 |
| <b>6. Energy supply</b>                                 | Energy transformation                                                                                                                            | 06.01 |
|                                                         | Renewable energy                                                                                                                                 | 06.02 |
|                                                         | Energy distribution                                                                                                                              | 06.03 |

| KATEGORI                                          | KELOMPOK                                                                                                                 | KODE  |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------|
|                                                   | Energy Conservation and efficiency                                                                                       | 06.04 |
|                                                   | Energy issues                                                                                                            | 06.05 |
|                                                   | Other energy supply not elsewhere classified<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)         | 06.06 |
| <b>7. Manufacturing</b>                           | Processed food products and beverages                                                                                    | 07.01 |
|                                                   | Fibre processing and textiles, footwear and leather products                                                             | 07.02 |
|                                                   | Wood, wood products and paper                                                                                            | 07.03 |
|                                                   | Human pharmaceutical products                                                                                            | 07.04 |
|                                                   | Veterinary pharmaceutical products                                                                                       | 07.05 |
|                                                   | Agricultural chemicals                                                                                                   | 07.06 |
|                                                   | Industrial chemicals and related products                                                                                | 07.07 |
|                                                   | Basic metal products (including smelting)                                                                                | 07.08 |
|                                                   | Industrial mineral products                                                                                              | 07.09 |
|                                                   | Fabricated metal products                                                                                                | 07.10 |
|                                                   | Transport equipment                                                                                                      | 07.11 |
|                                                   | Computer hardware and electronic equipment                                                                               | 07.12 |
|                                                   | Communication equipment                                                                                                  | 07.13 |
|                                                   | Instrumentation                                                                                                          | 07.14 |
|                                                   | Machinery and equipment                                                                                                  | 07.15 |
|                                                   | Latex product industry                                                                                                   | 07.16 |
|                                                   | Standard supporting technologies                                                                                         | 07.17 |
|                                                   | Materials performance and processes/analysis                                                                             | 07.18 |
|                                                   | Milling and process materials                                                                                            | 07.19 |
|                                                   | Synthesis and design of fine and speciality chemicals                                                                    | 07.20 |
|                                                   | Consumer Products                                                                                                        | 07.21 |
|                                                   | Other manufactured products not elsewhere classified<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner) | 07.22 |
| <b>8. Construction</b>                            | Planning                                                                                                                 | 08.01 |
|                                                   | Design                                                                                                                   | 08.02 |
|                                                   | Construction processes                                                                                                   | 08.03 |
|                                                   | Building management and services                                                                                         | 08.04 |
|                                                   | Other construction not elsewhere classified<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)          | 08.05 |
| <b>9. Transport</b>                               | Ground transport                                                                                                         | 09.01 |
|                                                   | Water transport                                                                                                          | 09.02 |
|                                                   | Air & space transport                                                                                                    | 09.03 |
|                                                   | Other transport not elsewhere classified<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)             | 09.04 |
| <b>10. Information and Communication services</b> | Computer software and services                                                                                           | 10.01 |
|                                                   | Information services (including library)                                                                                 | 10.02 |
|                                                   | Communication services                                                                                                   | 10.03 |
|                                                   | Geoinformation Services                                                                                                  | 10.04 |
|                                                   | Other information and communication not elsewhere                                                                        | 10.05 |

| KATEGORI                          | KELOMPOK                                                                                                               | KODE  |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------|-------|
|                                   | classified<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)                                         |       |
| <b>11. Commercial Services</b>    | Electricity, gas and water services and utilities                                                                      | 11.01 |
|                                   | Waste management and recycling                                                                                         | 11.02 |
|                                   | Wholesale and retail trade                                                                                             | 11.03 |
|                                   | Finance, property and business services                                                                                | 11.04 |
|                                   | Tourism                                                                                                                | 11.05 |
|                                   | Other commercial services not elsewhere classified<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner) | 11.06 |
| <b>12. Economic Framework</b>     | Macroeconomics issues                                                                                                  | 12.01 |
|                                   | Microeconomics issues                                                                                                  | 12.02 |
|                                   | International trade issues                                                                                             | 12.03 |
|                                   | Management and productivity issues                                                                                     | 12.04 |
|                                   | Measurement standards and calibration services                                                                         | 12.05 |
|                                   | Commercialisation                                                                                                      | 12.06 |
|                                   | Socio-economic development                                                                                             | 12.07 |
|                                   | Economic development and environment                                                                                   | 12.08 |
|                                   | Human resource management                                                                                              | 12.09 |
|                                   | Other economic issues not elsewhere classified<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)     | 12.10 |
| <b>13. Natural resources</b>      | Soil resources                                                                                                         | 13.01 |
|                                   | Water resources                                                                                                        | 13.02 |
|                                   | Biodiversity                                                                                                           | 13.03 |
|                                   | Bioactive product                                                                                                      | 13.04 |
|                                   | Industrial raw materials                                                                                               | 13.05 |
|                                   | Mineral resource                                                                                                       | 13.06 |
|                                   | Other natural resources not elsewhere classified<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)   | 13.07 |
| <b>DIVISION 3 : SOCIETY</b>       |                                                                                                                        |       |
| <b>14. Health</b>                 | Clinical(organs, diseases and conditions)                                                                              | 14.01 |
|                                   | Public health                                                                                                          | 14.02 |
|                                   | Health and support services                                                                                            | 14.03 |
|                                   | Other health not elsewhere classified                                                                                  | 14.04 |
| <b>15. Education and training</b> | Early childhood and primary education                                                                                  | 15.01 |
|                                   | Secondary education                                                                                                    | 15.02 |
|                                   | Tertiary education                                                                                                     | 15.03 |
|                                   | Technical and further education                                                                                        | 15.04 |
|                                   | Special education                                                                                                      | 15.05 |
|                                   | Computer base teaching and learning                                                                                    | 15.06 |
|                                   | Education policy                                                                                                       | 15.07 |
|                                   | Teaching                                                                                                               | 15.08 |
|                                   | Educational administration                                                                                             | 15.09 |
|                                   | Other education and training not elsewhere classified                                                                  | 15.10 |

| KATEGORI                                                | KELOMPOK                                                                                                                                            | KODE  |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------|
|                                                         | <i>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)</i>                                                                             |       |
| <b>16. Social development and Community services</b>    | Community services                                                                                                                                  | 16.01 |
|                                                         | Public services                                                                                                                                     | 16.02 |
|                                                         | Art, sport and recreation                                                                                                                           | 16.03 |
|                                                         | International relations                                                                                                                             | 16.04 |
|                                                         | Ethical issues                                                                                                                                      | 16.05 |
|                                                         | Nation building                                                                                                                                     | 16.06 |
|                                                         | Urban issues                                                                                                                                        | 16.07 |
|                                                         | Other social development and community services not elsewhere classified<br><i>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)</i> | 16.08 |
| <b>DIVISION 4 : ENVIRONMENT</b>                         |                                                                                                                                                     |       |
| <b>17. Environmental Knowledge</b>                      | Climate and atmosphere                                                                                                                              | 17.01 |
|                                                         | Ocean                                                                                                                                               | 17.02 |
|                                                         | Water                                                                                                                                               | 17.03 |
|                                                         | Land                                                                                                                                                | 17.04 |
|                                                         | Nature conservation                                                                                                                                 | 17.05 |
|                                                         | Social environment                                                                                                                                  | 17.06 |
|                                                         | River and Lake                                                                                                                                      | 17.07 |
|                                                         | Other environmental knowledge not elsewhere classified<br><i>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)</i>                   | 17.08 |
| <b>18. Environmental aspects of development</b>         | Plant production and plant primary products (including forestry)                                                                                    | 18.01 |
|                                                         | Animal production and animal primary products (including fishing)                                                                                   | 18.02 |
|                                                         | Mineral resources (excluding energy)                                                                                                                | 18.03 |
|                                                         | Energy resources                                                                                                                                    | 18.04 |
|                                                         | Energy supply                                                                                                                                       | 18.05 |
|                                                         | Manufacturing                                                                                                                                       | 18.06 |
|                                                         | Construction                                                                                                                                        | 18.07 |
|                                                         | Transport                                                                                                                                           | 18.08 |
|                                                         | Information and communication services                                                                                                              | 18.09 |
|                                                         | Commercial services                                                                                                                                 | 18.10 |
|                                                         | Environmental economic framework                                                                                                                    | 18.11 |
|                                                         | Other environmental of development not elsewhere classified<br><i>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)</i>              | 18.12 |
| <b>19. Environmental management &amp; other aspects</b> | Environmental management                                                                                                                            | 19.01 |
|                                                         | Waste management and recycling                                                                                                                      | 19.02 |
|                                                         | Climate and Weather                                                                                                                                 | 19.03 |
|                                                         | Atmosphere (Excl. Climate and Weather)                                                                                                              | 19.04 |
|                                                         | Marine and Coastal Environment                                                                                                                      | 19.05 |

| KATEGORI                                                                | KELOMPOK                                                                                                                                         | KODE  |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------|
|                                                                         | Fresh water and Estuarine Environment                                                                                                            | 19.06 |
|                                                                         | Urban and Industrial Environment                                                                                                                 | 19.07 |
|                                                                         | Forest and Wooded Lands                                                                                                                          | 19.08 |
|                                                                         | Mining Environment                                                                                                                               | 19.09 |
|                                                                         | Other environmental aspects not elsewhere classified<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)                         | 19.10 |
| <b>DIVISION 5 : ADVANCEMENT OF KNOWLEDGE</b>                            |                                                                                                                                                  |       |
| <b>20. Advancement of Natural sciences, technology, and engineering</b> | Mathematical science                                                                                                                             | 20.01 |
|                                                                         | Physical sciences                                                                                                                                | 20.02 |
|                                                                         | Chemical sciences                                                                                                                                | 20.03 |
|                                                                         | Earth sciences                                                                                                                                   | 20.04 |
|                                                                         | Information, computer and communication technologies                                                                                             | 20.05 |
|                                                                         | Applied sciences and technologies                                                                                                                | 20.06 |
|                                                                         | Engineering sciences                                                                                                                             | 20.07 |
|                                                                         | Biological sciences                                                                                                                              | 20.08 |
|                                                                         | Agricultural sciences                                                                                                                            | 20.09 |
|                                                                         | Medical and health sciences                                                                                                                      | 20.10 |
|                                                                         | Multimedia                                                                                                                                       | 20.11 |
|                                                                         | Other Natural sciences, technology, and engineering not elsewhere classified<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner) | 20.12 |
| <b>21. Advancement of Social sciences and humanities</b>                | Social sciences                                                                                                                                  | 21.01 |
|                                                                         | Humanities                                                                                                                                       | 21.02 |
|                                                                         | Cyber law                                                                                                                                        | 21.03 |
|                                                                         | Other Social sciences and humanities not elsewhere classified<br>(jika memilih ini, mohon tuliskan klasifikasinya pada kuesioner)                | 21.04 |