

Tabel 5.a.1) Kurikulum, Capaian Pembelajaran, dan Rencana Pembelajaran

| No. | Semester | Kode Mata Kuliah | Nama Mata Kuliah                    | Mata Kuliah Kompetensi <sup>1)</sup> | Bobot Kredit (sks)         |         |                                      | Konversi Kredit ke Jam <sup>2)</sup> | Capaian Pembelajaran <sup>3)</sup> |             |                   |                     | Dokumen Rencana Pembelajaran <sup>4)</sup> | Unit Penyelenggara |
|-----|----------|------------------|-------------------------------------|--------------------------------------|----------------------------|---------|--------------------------------------|--------------------------------------|------------------------------------|-------------|-------------------|---------------------|--------------------------------------------|--------------------|
|     |          |                  |                                     |                                      | Kuliah/ Responsi/ Tutorial | Seminar | Praktikum/ Praktis/ Praktik Lapangan |                                      | Sikap                              | Pengetahuan | Keterampilan Umum | Keterampilan Khusus |                                            |                    |
| 1   | 2        | 3                | 4                                   | 5                                    | 6                          | 7       | 8                                    | 9                                    | 10                                 | 11          | 12                | 13                  | 14                                         | 15                 |
| 1   | 1        | MKUP-111         | Pendidikan Agama                    |                                      | 2                          |         |                                      |                                      | V                                  |             |                   |                     | RPS                                        | Universitas        |
| 2   | 1        | MKUP-112         | Pancasila                           |                                      | 2                          |         |                                      |                                      | V                                  |             |                   |                     | RPS                                        | Universitas        |
| 3   | 1        | MKUP-113         | Bahasa Indonesia                    |                                      | 2                          |         |                                      |                                      | V                                  |             |                   |                     | RPS                                        | Universitas        |
| 4   | 1        | MKUP-114         | Ke-PGRI-an                          |                                      | 2                          |         |                                      |                                      | V                                  |             |                   |                     | RPS                                        | Universitas        |
| 5   | 1        | MKKD-111         | Kalkulus I                          | V                                    | 3                          |         |                                      |                                      |                                    | V           |                   | V                   | RPS                                        | Program Studi      |
| 6   | 1        | MKFT-111         | Fisika Dasar                        | V                                    | 2                          |         |                                      |                                      |                                    | V           |                   | V                   | RPS                                        | Fakultas           |
| 7   | 1        | MKFT-112         | Praktikum Fisika Dasar              | V                                    |                            |         | 1                                    |                                      |                                    | V           | V                 | V                   | RPS                                        | Fakultas           |
| 8   | 1        | MKKD-114         | Kimia Dasar                         | V                                    | 2                          |         |                                      |                                      |                                    | V           | V                 | V                   | RPS                                        | Program Studi      |
| 9   | 1        | MKKT-111         | Pengantar Teknik Kimia dan industri | V                                    | 2                          |         |                                      |                                      |                                    | V           |                   | V                   | RPS                                        | Program Studi      |
| 10  | 1        | MKKT-112         | Pengantar Energi                    | V                                    | 2                          |         |                                      |                                      |                                    | V           | V                 | V                   | RPS                                        | Program Studi      |
| 11  | 2        | MKUP-121         | Pendidikan Kewarganegaraan          |                                      | 2                          |         |                                      |                                      | V                                  |             |                   |                     | RPS                                        | Universitas        |
| 12  | 2        | MKUP-            | Bahasa Inggris                      |                                      | 2                          |         |                                      |                                      | V                                  |             |                   |                     | RPS                                        | Universitas        |

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| 13 | 2 | MKFT-121 | Keselamatan Kesehatan Kerja dan Lingkungan | V | 2 |  |   |  | V | V | V | V | RPS | Fakultas      |
| 14 | 2 | MKKT-121 | Pengetahuan Lingkungan                     | V | 2 |  |   |  |   | V | V | V | RPS | Program Studi |
| 15 | 2 | MKKD-121 | Kalkulus II                                | V | 3 |  |   |  |   | V | V | V | RPS | Program Studi |
| 16 | 2 | MKKD-122 | Kimia Analisa                              | V | 2 |  |   |  |   | V | V | V | RPS | Program Studi |
| 17 | 2 | MKKD-123 | Praktikum Kimia Analisa                    | V |   |  | 1 |  |   | V | V | V | RPS | Program Studi |
| 18 | 2 | MKKT-122 | Bahan Konstruksi Kimia                     | V | 2 |  |   |  |   | V | V | V | RPS | Program Studi |
| 19 | 2 | MKUP-123 | ISBO                                       |   | 2 |  |   |  |   | V |   |   | RPS | Universitas   |
| 20 | 2 | MKKJ-121 | Menggambar Teknik Proses                   | V | 2 |  |   |  |   | V | V | V | RPS | Program Studi |
| 21 | 3 | MKKD-231 | Kimia Fisika                               | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 22 | 3 | MKKD-232 | Praktikum Kimia Fisika                     | V |   |  | 1 |  |   | V | V | V | RPS | Program Studi |
| 23 | 3 | MKKD-233 | Kimia Organik                              | V | 3 |  |   |  |   |   | V | V | RPS | Program Studi |
| 24 | 3 | MKKD-234 | Praktikum Kimia Organik                    | V |   |  | 1 |  |   |   | V | V | RPS | Program Studi |
| 25 | 3 | MKKT-231 | Termodinamika I                            | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 26 | 3 | MKKT-232 | Azaz Teknik Kimia I                        | V | 3 |  |   |  |   |   | V | V | RPS | Program Studi |
| 27 | 3 | MKKT-233 | Matematika Teknik Kimia                    | V | 3 |  |   |  |   |   | V | V | RPS | Program Studi |
| 28 | 3 | MKKT-234 | Proses Industri Kimia I                    | V | 2 |  |   |  |   | V | V | V | RPS | Program Studi |
| 29 | 3 | MKKT-235 | Analisa Numerik                            | V | 3 |  |   |  |   |   |   | V | RPS | Program Studi |
| 30 | 3 | MKKP-231 | Teknologi Batubara                         | V |   |  |   |  |   |   | V | V | RPS | Program Studi |
| 31 | 3 | MKKP-232 | Teknologi Bio Diesel                       | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 32 | 3 | MKKP-233 | Teknologi Kriogenik                        | V |   |  |   |  |   |   | V | V | RPS | Program Studi |
| 33 | 3 | MKKP-234 | Teknologi Pangan                           | V |   |  |   |  |   |   | V | V | RPS | Program Studi |
| 34 | 3 | MKKP-235 | Teknologi Gula                             | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 35 | 3 | MKKP-236 | Teknologi Panas Bumi                       | V |   |  |   |  |   |   | V | V | RPS | Program Studi |
| 36 | 4 | MKKT-247 | Proses Industri Kimia II                   | V | 2 |  |   |  |   | V | V | V | RPS | Program Studi |
| 37 | 4 | MKUP-    | Anti Korupsi                               | V | 2 |  |   |  | V |   |   |   | RPS | Universitas   |

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| 38 | 4 | MKUP-241 | Manajemen Kepemimpinan                       | V | 2 |  |   |  |  | V |   |   |  | RPS | Program Studi |
| 39 | 4 | MKKT-244 | Termodinamika II                             | V | 2 |  |   |  |  |   | V | V |  | RPS | Program Studi |
| 40 | 4 | MKKT-245 | Azaz Teknik Kimia II                         | V | 3 |  |   |  |  |   | V | V |  | RPS | Program Studi |
| 41 | 4 | MKKT-246 | Alat Industri Kimia                          | V | 2 |  |   |  |  |   |   | V |  | RPS | Program Studi |
| 42 | 4 | MKKT-243 | Mekanika Fluida                              | V | 2 |  |   |  |  |   | V | V |  | RPS | Program Studi |
| 43 | 4 | MKKJ-241 | Metode Penelitian dan Penulisan Karya Ilmiah | V | 2 |  |   |  |  | V | V | V |  | RPS | Program Studi |
| 44 | 4 | MKKT-241 | Teknologi Bio Proses                         | V | 2 |  |   |  |  |   | V | V |  | RPS | Program Studi |
| 45 | 4 | MKGT-242 | Praktikum Teknologi Bio Proses               | V |   |  | 1 |  |  |   | V | V |  | RPS | Program Studi |
| 46 | 4 | MKKP-241 | Teknologi Minyak dan Gas Bumi                | V | 2 |  |   |  |  |   | V | V |  | RPS | Program Studi |
| 47 | 4 | MKKP-242 | Teknologi Bioetanol                          | V | 2 |  |   |  |  |   | V | V |  | RPS | Program Studi |
| 48 | 4 | MKKP-243 | Petrokimia                                   | V | 2 |  |   |  |  |   | V | V |  | RPS | Program Studi |
| 49 | 4 | MKKP-244 | Teknologi Minyak Atsiri                      | V | 2 |  |   |  |  |   | V | V |  | RPS | Program Studi |
| 50 | 4 | MKKP-245 | Teknologi Pengolahan Karet                   | V | 2 |  |   |  |  |   | V | V |  | RPS | Program Studi |
| 51 | 4 | MKKP-246 | Teknologi Pengolahan dan Pengawetan          | V | 2 |  |   |  |  |   | V | V |  | RPS | Program Studi |
| 52 | 5 | MKGT-351 | Teknik Reaksi Kimia I                        | V | 2 |  |   |  |  |   | V | V |  | RPS | Program Studi |
| 53 | 5 | MKGT-353 | Operasi Teknik Kimia I                       | V | 3 |  |   |  |  | V | V | V |  | RPS | Program Studi |
| 54 | 5 | MKKT-354 | Perpindahan Massa                            | V | 2 |  |   |  |  |   | V | V |  | RPS | Program Studi |
| 55 | 5 | MKKT-355 | Perpindahan Panas                            | V | 2 |  |   |  |  |   | V | V |  | RPS | Program Studi |

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| 57 | 5 | MKKT-356 | Perancangan Pabrik Kimia | V | 2 |  |  |  |  | V | V | V | RPS | Program Studi |
| 58 | 5 | MKKU-351 | Sistem Utilitas          | V | 2 |  |  |  |  | V | V | V | RPS | Program Studi |

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| 59 | 5 | MKUP - 351 | Kewirausahaan                     | V | 2 |  |   |  | V | V | V | V | RPS | Program Studi |
| 60 | 5 | MKKP-351   | Teknologi Pengolahan Limbah Cair  | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 61 | 5 | MKKP-352   | Teknologi Emulsi dan Surfaktan    | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 62 | 5 | MKKP-353   | Aliran Multifasa                  | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 63 | 5 | MKKP-354   | Teknologi Pengolahan Limbah Padat | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 64 | 5 | MKKP-355   | Teknologi Pengolahan Limbah Gas   | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 65 | 5 | MKKP-356   | Optimasi Proses                   | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 66 | 6 | MKKT-362   | Operasi Teknik Kimia II           | V | 3 |  |   |  |   | V | V | V | RPS | Program Studi |
| 67 | 6 | MKKT-363   | Praktikum Operasi Teknik Kimia    | V |   |  | 2 |  | V | V | V | V | RPS | Program Studi |
| 68 | 6 | MKKT-361   | Komputasi dan Simulasi Proses     | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 69 | 6 | MKKT-363   | Teknik Reaksi Kimia II            | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 70 | 6 | MKFT-361   | Kerja Praktek                     | V |   |  | 2 |  | V | V | V | V | RPS | Fakultas      |
| 71 | 6 | MKKJ-361   | Ekonomi Teknik Kimia              | V | 2 |  |   |  |   | V | V | V | RPS | Program Studi |
| 72 | 6 | MKKJ-362   | Manajemen Industri                | V | 2 |  |   |  |   | V | V | V | RPS | Program Studi |
| 73 | 6 | MKKT-365   | Teknik Pengolahan Air             | V | 2 |  |   |  |   | V | V | V | RPS | Program Studi |
| 74 | 6 | MKKP-361   | Teknologi CPO dan Derivatnya      | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 75 | 6 | MKKP-362   | Teknologi Herbal                  | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 76 | 6 | MKKP-363   | Teknologi Membran                 | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 77 | 6 | MKKP-364   | Teknologi Pupuk                   | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |
| 78 | 6 | MKKP-365   | Teknologi Pulp dan Paper          | V | 2 |  |   |  |   |   | V | V | RPS | Program Studi |

