



# STRUKTUR PROGRAM

## SARJANA MUDA TEKNOLOGI POLIMER DENGAN KEPUJIAN FAKULTI REKA BENTUK INOVATIF DAN TEKNOLOGI

| SEMESTER 1              |                                                         |              |            |            |
|-------------------------|---------------------------------------------------------|--------------|------------|------------|
| KOD KURSUS              | KURSUS                                                  | JENIS KURSUS | JAM KREDIT | PRA-SYARAT |
| MPU 31072               | PENGHAYATAN ETIKA DAN PERADABAN                         | U            | 2          |            |
| MPU 32092               | ASAS PEMBUDAYAAN DAN KEUSAHAWANAN                       | U            | 2          |            |
| MPU 33012/<br>MPU 33022 | ILMU WAHYU DAN SAINS/<br>MORAL & ETIKA II (BUKAN ISLAM) | U            | 2          |            |
| PBI 10102               | ENGLISH FOR COMMUNICATION I                             | U            | 2          |            |
| TPP 10103               | INTRODUCTION TO MATERIALS                               | T            | 3          |            |
| TPP 10204               | MOULD DESIGN                                            | T            | 4          |            |
| TPP 10304               | POLYMERIZATION TECHNOLOGY                               | T            | 4          |            |
| JUMLAH                  |                                                         |              | 19         |            |

| SEMESTER 2              |                                                                       |              |            |            |
|-------------------------|-----------------------------------------------------------------------|--------------|------------|------------|
| KOD KURSUS              | KURSUS                                                                | JENIS KURSUS | JAM KREDIT | PRA-SYARAT |
| MPU 31062               | FALSAFAH DAN ISU SEMASA                                               | U            | 2          |            |
| MPU 33032/<br>MPU 33042 | ILMU WAHYU DAN KEMASYARAKATAN/<br>PERBANDINGAN AGAMA II (BUKAN ISLAM) | U            | 2          |            |
| PBI 10202               | ENGLISH FOR COMMUNICATION II                                          | U            | 2          |            |
| PBI 10502               | BAHASA MANDARIN                                                       | U            | 2          |            |
|                         | KOKURIKULUM                                                           | U            | 3          |            |
| TPP 10404               | POLYMER PROCESSING                                                    | T            | 4          |            |
| TPP 10503               | BUSINESS AND QUALITY EXCELLENCE                                       | T            | 3          |            |
| JUMLAH                  |                                                                       |              | 18         |            |

| SEMESTER 3 |                                                   |              |            |            |
|------------|---------------------------------------------------|--------------|------------|------------|
| KOD KURSUS | KURSUS                                            | JENIS KURSUS | JAM KREDIT | PRA-SYARAT |
| TPP 20604  | STRUCTURE AND PROPERTY<br>RELATIONSHIP OF POLYMER | T            | 4          |            |
| TPP 20704  | POLYMER TESTING AND<br>CHARACTERIZATION           | T            | 4          |            |
| TPP 20803  | HEALTH, SAFETY AND ENVIRONMENT                    | T            | 3          |            |
| TPP 20904  | PRODUCT DESIGN AND DEVELOPMENT                    | T            | 4          |            |
| TPP 21005  | EXTRUSION AND INJECTION MOULDING                  | T            | 5          |            |
| JUMLAH     |                                                   |              | 20         |            |

| SEMESTER 4 |                                    |              |            |            |
|------------|------------------------------------|--------------|------------|------------|
|            | KURSUS                             | JENIS KURSUS | JAM KREDIT | PRA-SYARAT |
| TPP 21106  | INDUSTRIAL INTEGRATED PROJECT      | T            | 6          |            |
| TPP 21205  | SECONDARY PROCESSES                | T            | 5          |            |
| TPP 21304  | PRODUCT REQUIREMENTS AND MARKETING | T            | 4          |            |
|            | JUMLAH                             |              | 15         |            |

| SEMESTER 5 |                                           |              |            |            |
|------------|-------------------------------------------|--------------|------------|------------|
| KOD KURSUS | KURSUS                                    | JENIS KURSUS | JAM KREDIT | PRA-SYARAT |
| TPP 31403  | POLYMER SUSTAINABILITY                    | T            | 3          |            |
| TPP 31503  | PRODUCTION AND PROJECT MANAGEMENT         | T            | 3          |            |
| TPP 31604  | RAPID PROTOTYPING AND REVERSE ENGINEERING | T            | 4          |            |
| TPP 31703  | POLYMER APPLICATIONS AND MARKET SEGMENTS  | T            | 3          |            |
| TPP 31804  | FINAL PROJECT I                           | T            | 4          |            |
| TPP 31903  | SUPPLY CHAIN MANAGEMENT                   | T            | 3          |            |
|            | JUMLAH                                    |              | 20         |            |

| SEMESTER 6 |                        |              |            |            |
|------------|------------------------|--------------|------------|------------|
| KOD KURSUS | KURSUS                 | JENIS KURSUS | JAM KREDIT | PRA-SYARAT |
| TPP 32006  | FINAL PROJECT II       | T            | 6          |            |
| TPP 32104  | CAPSTONE PROJECT       | T            | 4          |            |
| TPP 32203  | RESOURCE MANAGEMENT    | T            | 3          |            |
| TPP 32303  | VALUE CHAIN MANAGEMENT | T            | 3          |            |
|            | JUMLAH                 |              | 16         |            |

| SEMESTER 7 |                               |            |            |            |
|------------|-------------------------------|------------|------------|------------|
| KOD KURSUS | KURSUS                        | KOD KURSUS | KOD KURSUS | PRA-SYARAT |
| TPP 42412  | INDUSTRIAL TRAINING           | T          | 12         |            |
|            | JUMLAH                        |            | 12         |            |
|            | JUMLAH JAM KREDIT KESELURUHAN |            | 120        |            |

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