# LAPORAN PROGRESS

**PROJECT-BASED LEARNING (PBL)**

# Progress Ke : 1

**UNSUR PEMROGRAMAN BASIS DATA**

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KELOMPOK / TIM : PBL-TRPL-214

TOPIK : Aplikasi Pengelolaan Surat di Polibatam

KELAS : TRPL 2C - PAGI

ANGGOTA TIM : ADHYCA HAFEEZ WIBOWO - 4342401080

PUTRI - 4342401062

FAHRI ANDREAN SAPUTRA - 4342401073 MUHAMMAD ALI ASRORY - 4342401078 HERMANSA - 4342401084

SUCI AQILAH NST - 4342401087

**PROGRAM STUDI TEKNOLOGI REKAYASA PERANGKAT LUNAK JURUSAN TEKNIK INFORMATIKA**

**POLITEKNIK NEGERI BATAM 2025**

1. Tabel Awal (Unnormalized Form - UNF)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NIK PEGAWAI** | **NAMA PEGAWAI** | **UNIT PEGAWAI** | **Tanggal Pengajuan** | **Nomor Surat** | **Jenis Surat** | **Judul Surat** | **Menetapkan** | **Mengingat** | **Menimbang** | **No Identitas** | **Nama Anggota** | **Role** | **Status Surat** | **Tanggal Liris** |
| 113135 | Supardianto | Jurusan Teknik  Informatika | 2/28/2025 |  | SK  honor | Tim  Teaching | Menetapkan  1 | Mengingat 1 | Menimbang  1 | 113135 | Supardianto | KPS  TRPL | Telah Terbit | 04/03/2025 |
| Prodi TRPL | | | | | | | Menetapkan 2 | Mengingat 2 | Menimbang 2 | 122280 | Amirul  Mu’minin,  S.Ds., M.Ds. | Dosen TRPL |  | |
|  |  |  |  |  |  |  | Menetapkan 3 | Mengingat 3 | Menimbang 3 | 119221 | Agung Riyadi, S.Si.,  M.Kom | Dosen TRPL |  |  |
| Menetapkan  4 | Mengingat 4 | Menimbang  4 | 115145 | Arif Roziqin,  S.Pd., M.Sc | Dosen  TRPL |
| Menetapkan 5 | Mengingat 5 | Menimbang 5 | 122275 | Ahmadi Irmansyah Lubis, S.kom.,  M.kom. | Dosen TRPL |
| 113135 | Supardianto | Jurusan Teknik  Informatika | 3/6/2025 |  | SK  honor | Tim Manpro  TRPL | Menetapkan  1 | Mengingat 1 | Menimbang  1 | 113135 | Supardianto | KPS  TRPL | Diajukan |  |
|  | | | | | | | Menetapkan 2 | Mengingat 2 | Menimbang 2 | 122259 | Anis Rahmi,  S.Tr. Kom., M.Sn | Dosen TRPL |  | |
| Menetapkan 3 | Mengingat 3 | Menimbang 3 | 122276 | Antoni Haikal,  S.ST.,M.T | Dosen TRPL |

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|  | Menetapkan 4 | Mengingat 4 | Menimbang 4 | 122284 | Ardiman Firmanda, S.S.T.,  M.Tr.Kom. | Dosen TRPL |  |
| Menetapkan 5 | Mengingat 5 | Menimbang 5 | 105038 | Andy Triwinarko, ST., MT.,  Ph.D | Dosen TRPL |

1. Normalisasi 1-NF

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| **NIK PEGAWAI** | **NAMA PEGAWAI** | **UNIT PEGAWAI** | **Tanggal Pengajuan** | **Nomor Surat** | **Jenis Surat** | **Judul Surat** | **Menenapkan** | **Mengingat** | **Menimbang** | **No Identitas** | **Nama Anggota** | **Role** | **Status Surat** | **Tanggal Liris** |
| 113135 | Supardianto | Jurusan Teknik Informatika | 2/28/2025 | 001 | SK honor | Tim Teaching  Prodi TRPL | Menetapkan 1 | Mengingat 1 | Menimbang 1 | 113135 | Supardianto | KPS TRPL | Telah Terbit | 04/03/2025 |
| 113135 | Supardianto | Jurusan Teknik Informatika | 2/28/2025 | 001 | SK honor | Tim Teaching  Prodi TRPL | Menetapkan 2 | Mengingat 2 | Menimbang 2 | 122280 | Amirul Mu’minin,  S.Ds., M.Ds. | Dosen TRPL | Telah Terbit | 04/03/2025 |
| 113135 | Supardianto | Jurusan Teknik Informatika | 2/28/2025 | 001 | SK honor | Tim Teaching  Prodi TRPL | Menetapkan 3 | Mengingat 3 | Menimbang 3 | 119221 | Agung Riyadi, S.Si., M.Kom | Dosen TRPL | Telah Terbit | 04/03/2025 |
| 113135 | Supardianto | Jurusan Teknik Informatika | 2/28/2025 | 001 | SK honor | Tim  Teaching Prodi TRPL | Menetapkan 4 | Mengingat 4 | Menimbang 4 | 115145 | Arif Roziqin, S.Pd., M.Sc | Dosen TRPL | Telah Terbit | 04/03/2025 |
| 113135 | Supardianto | Jurusan Teknik Informatika | 2/28/2025 | 001 | SK honor | Tim Teaching  Prodi TRPL | Menetapkan 5 | Mengingat 5 | Menimbang 5 | 122275 | Ahmadi Irmansyah Lubis,  S.kom., M.kom. | Dosen TRPL | Telah Terbit | 04/03/2025 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 113135 | Supardianto | Jurusan Teknik Informatika | 3/6/2025 | 002 | SK honor | Tim  Manpro TRPL | Menetapkan 1 | Mengingat 1 | Menimbang 1 | 113135 | Supardianto | KPS TRPL | Diajukan | - |
| 113135 | Supardianto | Jurusan Teknik Informatika | 3/6/2025 | 002 | SK honor | Tim Manpro  TRPL | Menetapkan 2 | Mengingat 2 | Menimbang 2 | 122259 | Anis Rahmi, S.Tr. Kom., M.Sn | Dosen TRPL | Diajukan | - |
| 113135 | Supardianto | Jurusan Teknik Informatika | 3/6/2025 | 002 | SK honor | Tim Manpro  TRPL | Menetapkan 3 | Mengingat 3 | Menimbang 3 | 122276 | Antoni Haikal, S.ST.,M.T | Dosen TRPL | Diajukan | - |
| 113135 | Supardianto | Jurusan Teknik Informatika | 3/6/2025 | 002 | SK honor | Tim Manpro  TRPL | Menetapkan 4 | Mengingat 4 | Menimbang 4 | 122284 | Ardiman Firmanda, S.S.T.,  M.Tr.Kom. | Dosen TRPL | Diajukan | - |
| 113135 | Supardianto | Jurusan Teknik Informatika | 3/6/2025 | 002 | SK honor | Tim  Manpro TRPL | Menetapkan 5 | Mengingat 5 | Menimbang 5 | 105038 | Andy Triwinarko, ST., MT., Ph.D | Dosen TRPL | Diajukan | - |

1. Normalisasi 2-NF

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| **NIK** | **UNIT PEGAWAI** | **Nomor Surat** | **Jenis Surat** | **Judul Surat** | **Menimbang** | **Mengajukan** | **Meninjau** | **No Identitas** | **Nama Anggota** | **Role** | **Status Surat** |
| **PEGAWAI** |  |  |  |  |  |
| 113135 | 1 | 001/TE/TRPL/2025 | 1 | Tim Teaching Prodi  TRPL | id Menetapkan 1 | id Mengingat1 | id Menimbang1 | 113135 | Supardianto | KPS TRPL | Telah Terbit |
| 113135 | 1 | 001/TE/TRPL/2025 | 1 | Tim  Teaching | id  Menetapkan 2 | id  Mengingat2 | id  Menimbang2 | 113136 | DIka | Dosen  TRPL | Telah  Terbit |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | Prodi  TRPL |  |  |  |  |  |  |  |
| 113135 | 1 | 001/TE/TRPL/2025 | 1 | Tim Teaching Prodi  TRPL | id Menetapkan 3 | id Mengingat3 | id Menimbang3 | 113137 | Fahri | Dosen TRPL | Telah Terbit |
| 113135 | 1 | 001/TE/TRPL/2025 | 1 | Tim Teaching Prodi  TRPL | id Menetapkan 4 | id Mengingat4 | Id Menimbang4 | 113138 | Gilang | Dosen TRPL | Telah Terbit |
| 113135 | 1 | 001/TE/TRPL/2025 | 1 | Tim Teaching Prodi  TRPL | id Menetapkan 5 | id Mengingat5 | Id Menimbang5 | 113139 | Ali | Dosen TRPL | Telah Terbit |
| 113135 | 1 | 002/TM/TRPL/2025 | 1 | Tim Manpro  TRPL | Id Menetapkan1 | id Mengingat1 | Id Menimbang1 | 113135 | Supardianto | KPS TRPL | Diajukan |
| 113135 | 1 | 002/TM/TRPL/2025 | 1 | Tim Manpro  TRPL | Id Menetapkan2 | id Mengingat2 | Id Menimbang2 | 113136 | DIka | Dosen TRPL | Diajukan |
| 113135 | 1 | 002/TM/TRPL/2025 | 1 | Tim  Manpro TRPL | Id Menetapkan3 | id Mengingat3 | Id Menimbang3 | 113137 | Fahri | Dosen TRPL | Diajukan |
| 113135 | 1 | 002/TM/TRPL/2025 | 1 | Tim Manpro  TRPL | Id Menetapkan4 | id Mengingat4 | Id Menimbang4 | 113138 | Gilang | Dosen TRPL | Diajukan |
| 113135 | 1 | 002/TM/TRPL/2025 | 1 | Tim Manpro  TRPL | Id Menetapkan5 | id Mengingat5 | Id Menimbang5 | 113139 | Ali | Dosen TRPL | Diajukan |

Tabel Surat

|  |  |  |  |
| --- | --- | --- | --- |
| **Nomor Surat** | **Judul Surat** | **Tanggal Pengajuan** | **Tanggal Surat**  **Dibuat** |
| 001/TE/TRPL/2025 | Tim Teaching Prodi TRPL | 2/28/2025 | 3/11/2025 |
| 002/TM/TRPL/2025 | Tim Manpro TRPL | 3/6/2025 | 3/9/2025 |

Tabel Jenis Surat

|  |  |
| --- | --- |
| **Id\_Jenis\_Surat** | **Jenis Surat** |
| 1 | Sk Honor |
| 2 | Sk Non Honor |
| 3 | Perdir |

Tabel Status Surat

|  |  |  |
| --- | --- | --- |
| **Nomor\_Surat** | **Status\_Surat** | **Tanggal\_Rilis** |
| 001/TE/TRPL/2025 | Telah Terbit | 04/03/2025 |
| 002/TM/TRPL/2025 | Diajukan | - |

Tabel Unit

|  |  |
| --- | --- |
| **Id\_Unit** | **Unit** |
| 1 | Jurusan Teknik Informatika |
| 2 | Jurusan Teknik Elektro |

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| 3 | Jurusan Teknik Mesin |
| 4 | Jurusan Manajemen Bisnis |

Tabel Pegawai

|  |  |  |
| --- | --- | --- |
| **NIK Pegawai** | **Nama Pegawai** | **Role** |
| 113135 | Supardianto | KPS TRPL |
| 113136 | DIka | Dosen TRPL |
| 113137 | Fahri | Dosen TRPL |
| 113138 | Gilang | Dosen TRPL |
| 113139 | Ali | Dosen TRPL |

Tabel Menetapkan

|  |  |
| --- | --- |
| **Id Menetapkan** | **Menetapkan** |
| id Menetapkan 1 | Menetapkan 1 |
| id Menetapkan 2 | Menetapkan 2 |
| id Menetapkan 3 | Menetapkan 3 |
| id Menetapkan 4 | Menetapkan 4 |
| id Menetapkan 5 | Menetapkan 5 |

Tabel Mengingat

|  |  |
| --- | --- |
| **Id Mengingat** | **Mengingat** |
| Id Mengingat 1 | Mengingat 1 |
| Id Mengingat 2 | Mengingat 2 |
| Id Mengingat 3 | Mengingat 3 |
| Id Mengingat 4 | Mengingat 4 |

|  |  |
| --- | --- |
| Id Mengingat 5 | Mengingat 5 |

Tabel Menimbang

|  |  |
| --- | --- |
| **Id Menimbang** | **Menimbang** |
| Id Menimbang 1 | Menimbang 1 |
| Id Menimbang 2 | Menimbang 2 |
| Id Menimbang 3 | Menimbang 3 |
| Id Menimbang 4 | Menimbang 4 |
| Id Menimbang 5 | Menimbang 5 |

Tabel Keanggotaan

|  |  |  |  |
| --- | --- | --- | --- |
| **Id Keanggotaan** | **Id Surat/Nomor surat** | **Nomor Identitas** | **Role** |
| 1 | 001/TE/TRPL/2025 | 113135 | Ketua |
| 2 | 001/TE/TRPL/2025 | 122280 | Anggota |
| 3 | 001/TE/TRPL/2025 | 119221 | Anggota |
| 4 | 001/TE/TRPL/2025 | 115145 | Anggota |
| 5 | 001/TE/TRPL/2025 | 122275 | Anggota |
| 6 | 002/TM/TRPL/2025 | 113135 | Ketua |
| 7 | 002/TM/TRPL/2025 | 122259 | Anggota |
| 8 | 002/TM/TRPL/2025 | 122276 | Anggota |
| 9 | 002/TM/TRPL/2025 | 122284 | Anggota |
| 10 | 002/TM/TRPL/2025 | 105038 | Anggota |

Rancangan pemodelan basis data ER-D

