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| login | Algo – 0xx |
| Procedure login(username:varchar,password:varchar)  {prosedur ini digunakan untuk melakukan login ke sistem}  Kamus  query = Q-001  Deskripsi Algoritma IF(query)  IF (password == md5(query.row[‘password’])) DO session[‘user’] <- nip  ELSE  Error <- “Maaf, Username atau password salah” | |

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| logout | Algo – 0xx |
| Procedure logout(session:varchar)  Kamus  session : varchar  Deskripsi Algoritma  Delete(session) | |

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| entry\_dt\_praktikan | Algo – 0xx |
| Procedure entry\_dt\_praktikan(id\_praktikan, nim, nama : varchar)    Kamus  Deskripsi Algoritma  input(id\_praktikan, nim, nama)  Q-002 Q-032 | |

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| edit\_dt\_praktikan | Algo – 0xx |
| Procedure edit\_dt\_praktikan(id\_pengabdian, nip, nama: varchar)  Kamus  data <- Q-018 nim <- data[‘nim’]  nama <- data[‘nama’]  Deskripsi Algoritma  input(data, nim, nama)  Q-004 | |

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| No Query | Query | Keterangan |
| Q-00x | SELECT username,password FROM admin, asprak, praktikan WHERE (admin.username = username OR asprak.username = username or praktikan.username = username) | Login |
| Q-00x | INSERT INTO praktikan (id\_praktikan, nim, nama) | Menambahkan data praktikan |
| Q-00x | UPDATE praktikan SET (nip,nama) WHERE id\_praktikan = id\_praktikan | Mengedit data praktikan |

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| entry\_presensi | Algo – 0xx |
| Procedure entry\_presensi\_praktikan(id\_praktikan, id\_jadwal, keterangan, kehadiran: varchar)  Kamus  Deskripsi Algoritma  input(id\_praktikan, id\_jadwal, keterangan, kehadiran)  Q-0xx  Procedure entry\_presensi\_asprak(id\_asprak, id\_jadwal, keterangan, kehadiran: varchar)  Kamus  Deskripsi Algoritma  input(id\_asprak, id\_jadwal, keterangan, kehadiran)  Q-0xx | |

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| edit\_presensi | Algo – 0xx |
| Procedure edit\_presensi\_praktikan(id\_praktikan, id\_jadwal, keterangan, kehadiran: varchar)  Kamus  data <- Q-0xx  id\_praktikan <- data[‘id\_praktikan’]  id\_jadwal <- data[‘id\_jadwal’]  keterangan <- data[‘keterangan’]  kehadiran <- data[‘kehadiran’]  Deskripsi Algoritma  input(id\_praktikan, id\_jadwal, keterangan, kehadiran)  Q-0xx  Procedure edit\_presensi\_asprak(id\_asprak, id\_jadwal, keterangan, kehadiran: varchar)  Kamus  data <- Q-0xx  id\_praktikan <- data[‘id\_praktikan’]  id\_jadwal <- data[‘id\_jadwal’]  keterangan <- data[‘keterangan’]  kehadiran <- data[‘kehadiran’]  Deskripsi Algoritma  input(id\_asprak, id\_jadwal, keterangan, kehadiran)  Q-0xx | |

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| hapus\_presensi | Algo – 0xx |
| Procedure hapus\_presensi\_praktikan(id\_praktikan, id\_jadwal, keterangan, kehadiran: varchar)  Kamus  data <- Q-0xx  id\_praktikan <- data[‘id\_praktikan’]  id\_jadwal <- data[‘id\_jadwal’]  keterangan <- data[‘keterangan’]  kehadiran <- data[‘kehadiran’]  Deskripsi Algoritma  Q-0xx  Procedure hapus\_presensi\_asprak(id\_asprak, id\_jadwal, keterangan, kehadiran: varchar)  Kamus  data <- Q-0xx  id\_praktikan <- data[‘id\_praktikan’]  id\_jadwal <- data[‘id\_jadwal’]  keterangan <- data[‘keterangan’]  kehadiran <- data[‘kehadiran’]  Deskripsi Algoritma  Q-0xx | |

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| tampil\_list\_presensi | Algo – 0xx |
| Procedure tampil\_list\_presensi\_praktikan(id: varchar) -> varchar,varchar,varchar,varchar,varchar,varchar,varchar  Kamus  nama : varchar  nim : varchar  matkul : varchar  hari : varchar  ruang : varchar  keterangan : varchar  kehadiran : varchar  i : integer  Deskripsi Algoritma  data <- Q-0xx  for (i=1;i<=length(data);i++);  nama <- data[i].nama  nim <- data[i].nim  matkul <- data[i].matkul  hari <- data[i].hari  ruang <- data[i].ruang  keterangan <- data[i].keterangan  kehadiran <- data[i].kehadiran  output(nama,nim,matkul,hari,ruang,keterangan,kehadiran) | |
| Procedure tampil\_list\_presensi\_asprak(id: varchar) -> varchar,varchar,varchar,varchar,varchar,varchar,varchar  Kamus  nama : varchar  nim : varchar  matkul : varchar  hari : varchar  ruang : varchar  keterangan : varchar  kehadiran : varchar  i : integer  Deskripsi Algoritma  data <- Q-0xx  for (i=1;i<=length(data);i++);  nama <- data[i].nama  nim <- data[i].nim  matkul <- data[i].matkul  hari <- data[i].hari  ruang <- data[i].ruang  keterangan <- data[i].keterangan  kehadiran <- data[i].kehadiran  output(nama,nim,matkul,hari,ruang,keterangan,kehadiran) | |

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| No Query | Query | Keterangan |
| Q-00x | INSERT INTO presensi\_praktikan (id\_praktikan, id\_jadwal, keterangan, kehadiran)  INSERT INTO presensi\_asprak (id\_asprak, id\_jadwal, keterangan, kehadiran) | Menambahkan data presensi praktikan dan asprak |
| Q-00x | UPDATE presensi\_praktikan SET (keterangan,kehadiran} WHERE id\_praktikan = id\_praktikan AND id\_jadwal = id\_jadwal  UPDATE presensi\_asprak SET (keterangan,kehadiran} WHERE id\_asprak = id\_asprak AND id\_jadwal = id\_jadwal | Mengedit data presensi praktikan dan asprak |
| Q-00x | DELETE FROM presensi\_praktikan WHERE id\_praktikan = id\_praktikan AND id\_jadwal = id\_jadwal  DELETE FROM presensi\_asprak WHERE id\_asprak = id\_asprak AND id\_jadwal = id\_jadwal | Menghapus data presensi praktikan dan asprak |
| Q-00x | SELECT \* FROM presensi\_praktikan  SELECT \* FROM presensi\_asprak | Menampilkan data presensi praktikan dan asprak |
| Q-00x | SELECT \* FROM presensi\_praktikan where id\_jadwal = session[‘id\_jadwal’]  SELECT \* FROM presensi\_asprak where id\_jadwal = session[‘id\_jadwal’] | Mengambil data presensi praktikan dan asprak berdasarkan jadwal |

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| entry\_penunjang\_praktikum | Algo – 0xx |
| Procedure entry\_penunjang\_praktikum(id\_infopraktikum, content, pertemuan: varchar)  Kamus  Deskripsi Algoritma  input(id\_infopraktikum, content, pertemuan)  Q-0xx | |

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| edit\_penunjang\_praktikum | Algo – 0xx |
| Procedure edit\_penunjang\_praktikum(id\_infopraktikum, content, pertemuan: varchar)  Kamus  Deskripsi Algoritma  Q-0xx | |

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| hapus\_penunjang\_praktikum | Algo – 0xx |
| Procedure hapus\_penunjang\_praktikum(id\_infopraktikum, content, pertemuan: varchar)  Kamus  Deskripsi Algoritma  Q-0xx | |

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| No Query | Query | Keterangan |
| Q-00x | INSERT INTO penunjang\_praktikum (id\_infopraktikum, content, pertemuan) | Menambahkan data penunjang praktikum |
| Q-00x | UPDATE penunjang\_praktikum SET (content=content, pertemuan=pertemuan) WHERE id\_infopraktikum = id\_infopraktikum | Mengedit data penunjang praktikum |
| Q-00x | *DELETE FROM penunjang\_praktikum WHERE id\_infopraktikum = id\_infopraktikum* | Menghapus data penunjang praktikum |

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| entry\_asprak | Algo – 0xx |
| Procedure entry\_asprak(id\_asprak, nama, nim, cp: varchar)  Kamus  Deskripsi Algoritma  input(id\_asprak, nama, nim, cp)  Q-0xx | |

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| edit\_asprak | Algo – 0xx |
| Procedure edit\_presensi\_asprak(id\_asprak, nama, nim, cp: varchar)  Kamus  data <- Q-0xx  id\_asprak <- data[‘id\_asprak’]  nama <- data[‘nama’]  nim <- data[‘nim’]  cp <- data[‘cp’]  Deskripsi Algoritma  input(id\_asprak, nama, nim, cp)  Q-0xx | |

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| hapus\_asprak | Algo – 0xx |
| Procedure­­ hapus\_presensi\_praktikan(id\_asprak, nama, nim, cp: varchar)  Kamus  data <- Q-0xx  id\_asprak <- data[‘id\_asprak’]  nama <- data[‘nama’]  nim <- data[‘nim’]  cp <- data[‘cp’]  Deskripsi Algoritma  Q-0xx | |

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| tampil\_list\_asprak | Algo – 0xx |
| Procedure tampil\_list\_asprak(id\_asprak: varchar) -> varchar,varchar,varchar  Kamus  nama : varchar  nim : varchar  cp : varchar  Deskripsi Algoritma  data <- Q-0xx  for (i=1;i<=length(data);i++);  nama <- data[i].nama  nim <- data[i].nim  cp <- data[i].cp  output(nama,nim,cp) | |

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| No Query | Query | Keterangan |
| Q-00x | INSERT INTO asprak (id\_asprak, nama, nim, cp) | Menambahkan data asprak |
| Q-00x | UPDATE asprak SET (nama, nim, cp} WHERE id\_asprak = id\_asprak | Mengedit data asprak |
| Q-00x | DELETE FROM asprak WHERE id\_asprak = id\_asprak | Menghapus data asprak |
| Q-00x | SELECT \* FROM asprak | Menampilkan data asprak |