



UNIVERSITAS SRIWIJAYA
FAKULTAS ILMU KOMPUTER
JURUSAN TEKNIK INFORMATIKA

Jalan Palembang – Prabumulih Km. 32 Inderalaya Ogan Ilir Kode Pos 30662
Telepon (0711) 7072729, 379249, 581700 Fax (0711) 379248, 581710
Email: ilkom@unsri.ac.id

KUIS BASIS DATA SEMESTER GANJIL 2019-2020

Mata Kuliah : Basis Data
Jurusan : Teknik Informatika
Kelas : Reguler
Hari / Tanggal : Rabu / 14 Oktober 2020

Dosen : Rizki Kurniati, M.T.
Waktu : 30 menit
Sifat : Close File
Materi : Normalisasi

Nama : Ferza Reyaldi
NIM : 09021281924060
Kelas : 3 TI REGULER A

1. Diberikan contoh data berikut ini.

Kode Kuliah	Nama Kuliah	NIM	Nama	Penugasan	Alokasi Waktu (Jam)
IF2034	Basis Data	123456	Farras	Praktikum 1	1,5
IF2010	Pemrograman	123456	Farras	Tugas Besar	5
IF2010	Pemrograman	123654	Septian	Praktikum 5	2
IF2010	Pemrograman	123654	Septian	PR3	1
IF2034	Basis Data	134587	Gerald	Praktikum 1	2
IF2034	Basis Data	134612	Salsabila	Praktikum 1	6

Buatlah Skema relasional dari data tersebut agar memenuhi Third Normal Form (3NF). Tunjukkan skema yang Anda hasilkan sudah memenuhi 3NF.

localhost/phpmyadmin/server_sql.php

Server: 127.0.0.1

Databases SQL Status User accounts Export Import Settings Replication Variables Charsets More

Run SQL query/queries on server "127.0.0.1":

```
1 CREATE DATABASE db_normalisasi_ferzareyaldi;
2 USE db_normalisasi_ferzareyaldi;
3 CREATE TABLE tb_mahasiswa(nim varchar(6) PRIMARY KEY, nama varchar(50));
4 CREATE TABLE tb_kuliah(kode_kuliah varchar(6) PRIMARY KEY, nama_kuliah varchar(25));
5 CREATE TABLE tb_penugasan (nim varchar(6) NOT null, kode_kuliah varchar(6) NOT null, penugasan varchar(25), alokasi_waktu float(4), constraint FK_mahasiswa foreign key (nim) references tb_mahasiswa(nim), constraint FK_kuliah foreign key (kode_kuliah) references tb_kuliah(kode_kuliah));
```

Clear Format Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

[Delimiter] ☐ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks Go

Console

AS

localhost/phpmyadmin/db_sql.php?db=db_normalisasi_ferzareyaldi

Server: 127.0.0.1 Database: db_normalisasi_ferzareyaldi

Structure SQL Search Query Export Import Operations Privileges Routines Events More

Run SQL query/queries on database db_normalisasi_ferzareyaldi:

```
1 USE db_normalisasi_ferzareyaldi;
2 INSERT INTO tb_kuliah(kode_kuliah, nama_kuliah) VALUES ("IF2034","Basis Data"),("IF2010","Pemrograman");
3 INSERT INTO tb_mahasiswa(nim, nama) VALUES ("123456","Farras"),("123654","Septian"),("134587","Gerald"),("134612","Salsabila");
4 INSERT INTO tb_penugasan(penugasan, alokasi_waktu, nim, kode_kuliah) VALUES ("Praktikum 1",1.5,"123456","IF2034"),("Tugas Besar",5,"123456","IF2010"),("Praktikum 5",2,"123654","IF2010"),("PR3",1,"123654","IF2010"),("Praktikum 1",2,"134587","IF2034"),("Praktikum 1",6,"134612","IF2034");
```

Clear Format Get auto-saved query

☐ Bind parameters

Bookmark this SQL query:

[Delimiter] ☐ Show this query here again ☐ Retain query box ☐ Rollback when finished ☒ Enable foreign key checks Go

Console

AS

Hasil (Relation View)

Screenshot of phpMyAdmin showing the Relation view for the table `tb_penugasan` in the database `db_normalisasi_ferzareyaldi`.

The interface displays the following components:

- Database Structure:** A tree view on the left showing the database structure, including tables like `tb_kuliah`, `tb_mahasiswa`, and `tb_penugasan`.
- Table Structure:** A tab at the top of the main panel showing the structure of the selected table.
- Foreign Key Constraints:** A section showing the foreign key constraints for the table. It includes a table with columns: **Actions**, **Constraint properties**, **Column**, **Foreign key constraint (INNODB)**, **Database**, **Table**, and **Column**.

Actions	Constraint properties	Column	Foreign key constraint (INNODB)	Database	Table	Column
Drop	FK_kuliah	kode_kuliah		db_normalisasi_	tb_kuliah	kode_kuliah
	ON DELETE RESTRICT					
	ON UPDATE RESTRICT					
Drop	FK_mahasiswa	nim		db_normalisasi_	tb_mahasiswa	nim
	ON DELETE RESTRICT					
	ON UPDATE RESTRICT					
	Constraint name					
	ON DELETE RESTRICT					
	ON UPDATE RESTRICT					

The interface also includes a "Choose column to display" dropdown set to "nim" and a "Console" tab at the bottom.

A small video call window is visible in the bottom right corner, showing a red circle with the letters "AS" and a red phone icon.