Basis Data I

Tim Dosen:

Sirojul Munir , Hendra Aditiyawijaya , Edo Riansyah

Basis Data I (2 SKS) + Praktikum Basis Data I (1 SKS)

Kehadiran 5%

UTS : 25%

Tugas Praktikum & Quiz : 40%

UAS : 30%

Prerequisite:
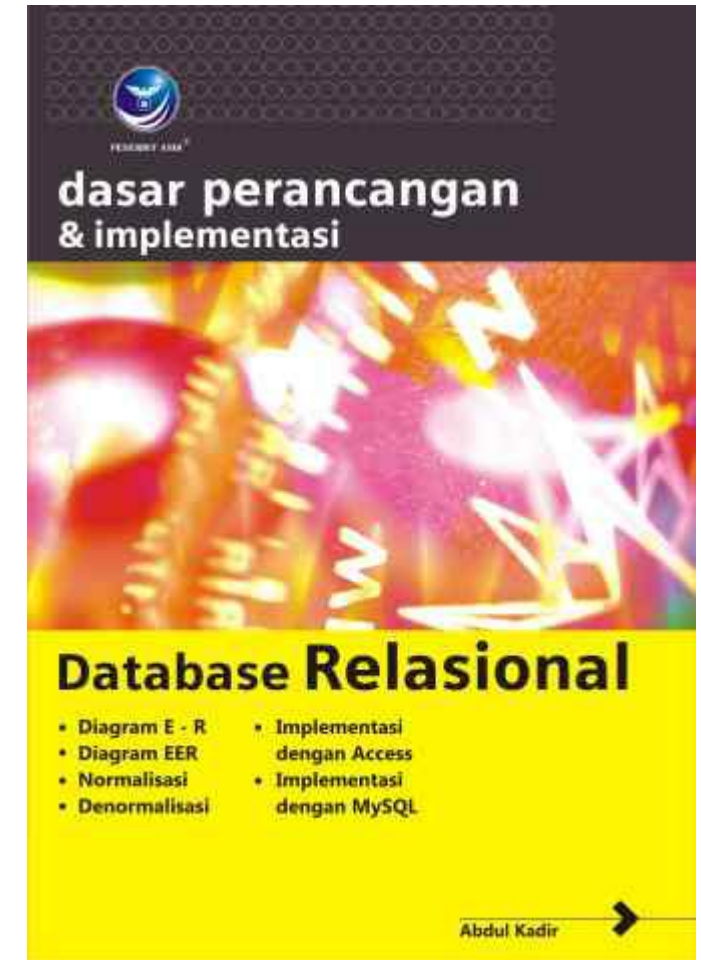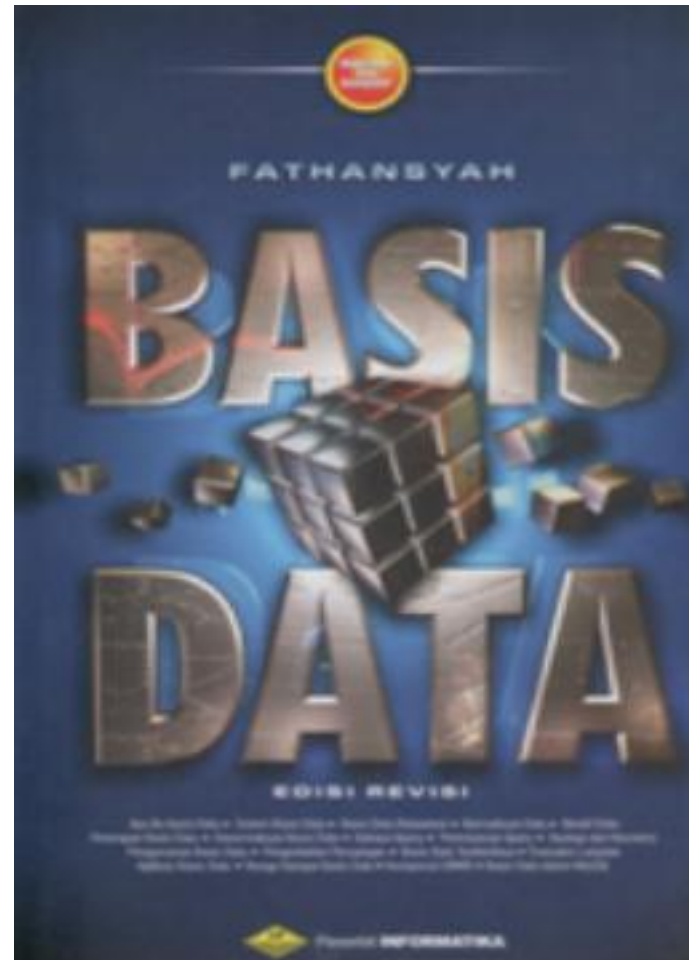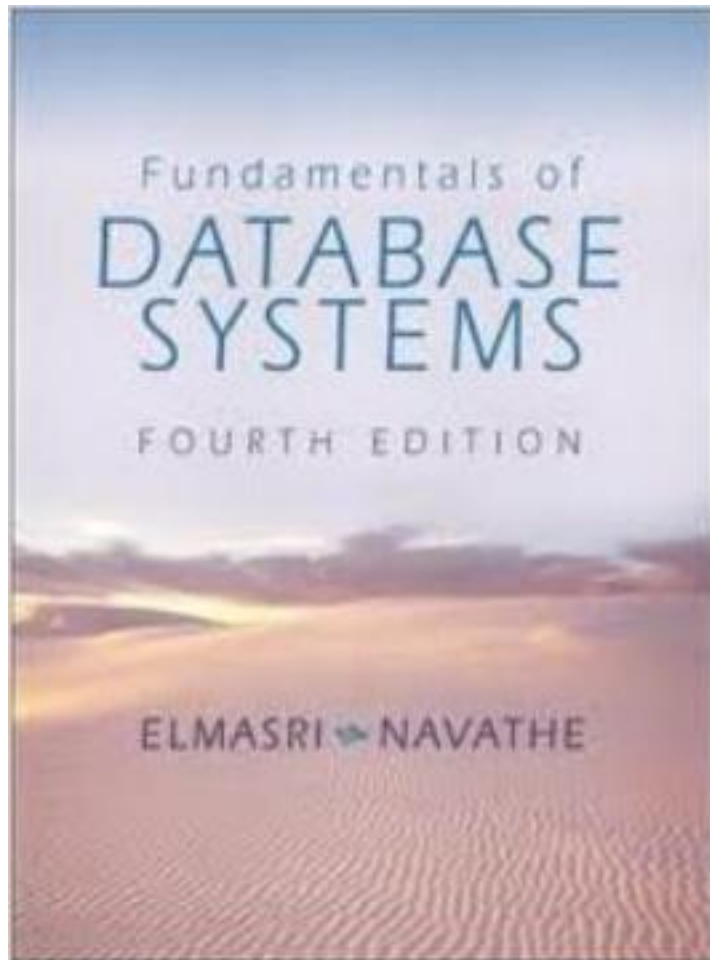- Matematika Dasar
- Matematika Diskrit

Next-Course:
- Basis Data II
- Pemrograman Web

Buku Referensi

- Betty Elmasri & Navathe, "Fundamentals of Database Systems 4$_{th}$ed", Addison-Wesley, 2004
- Kroenke, David M, "Database Processing: Fundamentals, Design and Implementation 9$_{th}$edition", Prentice Hall International Edition, 2004
- Fathansyah, Basis Data, Penerbit Informatika Bandung, 2012
- Abdul Kadir, Dasar Perancangan & Implementasi Database Relasional, 2008

Buku Referensi

Materi

- Konsep Basis Data
- Arsitektur basis data
- Model data
- Diagram ER
- Normalisasi Data
- Redundansi dan Denormalisasi
- Presentasi Project
- Pengantar SQL
- Konseptual Model – SQL
- Pengelolaan Constraint
- Where Clause & Group Function
- Join Table
- Sub query dan View
- Presentasi Project

Tools

- Linux Ubuntu
- MySQL 5.x
- MySQL Workbench
- SpreadSheet
- Xampp