PRAKTIKUM SISTEM BASIS DATA

MYSQL 5

BY: GALIH HERMAWAN

DEPARTMENT OF INFORMATICS ENGINEERING

UNIKOM

1 Pendahuluan

2 Lingkungan Pengujian

3 Bekerja dengan MySQL

4-5 Pengelolaan Database, Tabel, dan Index

6 Manipulasi Data

7 Pengambilan Data + Quis

8 UTS

9 Penggunaan Operator dan Fungsi

10-11 Pengaksesan Data pada Banyak Tabel + Quis

12 Ekspor, Salin, dan Impor Data

13 Pengelolaan Transaksi

14 Pengelolaan Keamanan

15 Pengelolaan Backup, Recovery, dan Replikasi

16 UAS

REFERENSI

- DuBois, P., Hinz, S., Pedersen, C., ”MySQL Certification Study Guide”, MySQL AB, 2004
- Kofler, M., “The Definitive Guide to MySQL 5”, 3rd Ed, Apress, 2005
- MySQL AB, “”MySQL 5.1 Reference Manual”, MySQL AB, 2006
- Pachev, A., “MySQL Enterprise Solution”, Wiley, 2003
- Sheldon, R., Moes, G., “Beginning MySQL”, Wiley, 2005
- Sheeri Cabral, Keith Murphy, “MySQL®Administrator’s Bible”, Wiley, 2009

1. PENDAHULUAN

- **RDBMS** = *Relational Database Management System*.
- Beberapa RDBMS: MySQL, Oracle, DB2, SQL Server, dan PostgreSQL.

FUNGSIONALITAS

Managing storage

Maintaining security

Maintaining metadata

Managing transactions

Supporting connectivity

Optimizing performance

Providing back-up and recovery mechanisms

Processing requests for data retrieval and modification

FITUR-FITUR MYSQL

- **Scalability**
- **Portability**
- **Connectivity**
- **Security**
- **Speed**
- **Ease of Use**
- **Open Source Code**

PENGGUNA

- NASA
  - NASA Acquisition Internet Service (NAIS) → nais.nasa.gov
  - 300.000 hit per bulan
- U.S. Census Bureau
  - 120.000 halaman per hari
- Yahoo! Finance
  - 25 Gb data, Tabel terbesar: 274 juta rekod, 8 Gb data
  - 1200 queri per detik

LISENSI

- Open Source
- Komersil

OOT (Out Of Topic) INFO:

- Freeware
- Shareware