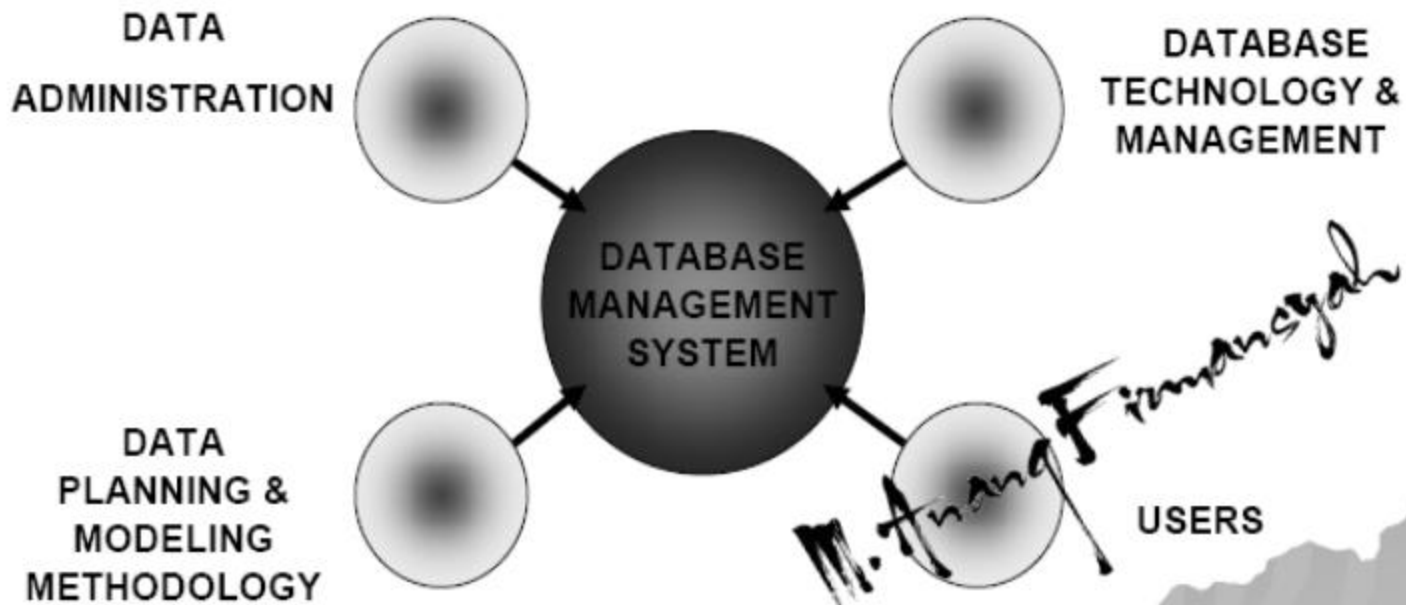


BAB 12

DATABASE

M. Anang Firmansyah

ELEMENTS OF DATABASE ENVIRONMENT



DISTRIBUTED DATABASES

- ◆ PARTITIONED: remote CPUs (connected to host) have files unique to that site, e.g., records on local customers
- ◆ DUPLICATE: each remote CPU has copies of common files, e.g., layouts for standard reports and forms

DATABASE IMPLEMENTATION

1. ORGANIZATIONAL OBSTACLES:
Challenges existing power structure, requires organizational restructure
2. COST / BENEFIT CONSIDERATIONS: Large initial costs, delayed benefits, tangible, intangible

M. Anand Financiyah

DATABASE TRENDS

- ◆ DATA MART: Small data warehouse for special function, e.g., Focused marketing based on customer info
- ◆ DATAMINING: Tools for finding hidden patterns, relationships, for predicting trends

M. Anand Firmagayah

DATABASE TRENDS

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DATABASE TRENDS

LINKING DATABASES TO THE WEB:

- ◆ WEB USER CONNECTS TO VENDOR DATABASE
- ◆ SPECIAL SOFTWARE CONVERTS HTML TO SQL
- ◆ SQL FINDS DATA, SERVER CONVERTS RESULT TO HTML

M. Arif Imansyah