

# Bab 12: Perancangan Output dan Prototyping



**ANALISIS DAN PERANCANGAN SISTEM  
INFORMASI**

**MONICA A. KAPPIANTARI - 2009**

*Source: Whitten, J.L., L.D. Lonnie and K.C. Dittman, Systems Analysis and Design Methods, 6th ed., McGraw-Hill, Boston, 2004.*

# Bab 12

2

## Referensi

- Whitten, bab 15

## Topik

1. Konsep Perancangan Output
  - Internal Output
  - External Output
2. Perancangan dan Prototyping Output

# 1. Konsep Perancangan Output

3

## Internal Outputs

- Detailed report
- Summary report
- Exception report

## External Outputs

- Turnaround documents

# Internal Outputs

4

**Internal output** – output yang ditujukan bagi system owner dan system user dalam sebuah organisasi

**Detailed report** – output internal yang disajikan tanpa saringan

- ✦ Contoh: daftar pelanggan

**Summary report** – output internal yang mengkategorikan informasi bagi manajer

- ✦ Tidak perlu terlalu rinci
- ✦ Menampilkan lebih banyak format grafis
- ✦ Contoh: jumlah pelanggan per daerah

**Exception report** – output internal yang menyaring data untuk kondisi atau standar tertentu

- ✦ Contoh: daftar pelanggan yang melewati batas waktu tagihan

# External Outputs

5

**External outputs** – output yang ditujukan ke luar organisasi

- Ditujukan bagi pelanggan, pemasok, partner

**Turnaround documents** – output external yang dapat di masukkan kembali (re-enter) ke dalam sistem sebagai input

- Potongan lembar tagihan dan pembayaran yang harus dikembalikan oleh pelanggan

# Metoda Implementasi Output

6

Printed output

Screen output

Point-of-sale terminals

Multimedia

E-mail

Hyperlinks

Microfilm

# Taxonomy for Computer-Generated Outputs

Distribution Delivery	Internal Output (reporting)	Turnaround Output (external; then internal)	External Output (transactions)
Printer	Detailed, summary, or exception information printed on hard-copy reports for internal business use.	Business transactions printed on business forms that will eventually be returned as input business transactions.	Business transactions printed on business forms that conclude the business transactions.
Screen	Detailed, summary, or exception information displayed on monitors for internal business use.	Business transactions displayed on monitors in forms or windows that will also be used to input other data to initiate a related transaction.	Business transactions displayed on business forms that conclude the business transactions.
Point-of-Sale Terminals	Information printed or displayed on special-purpose terminals dedicated to specific internal business functions.	Information printed or displayed on a special-purpose terminal for the purpose of initiating a follow-up business transaction.	Information printed or displayed on special-purpose terminals dedicated to customers.

## Taxonomy for Computer-Generated Outputs (concluded)

Distribution Delivery	Internal Output (reporting)	Turnaround Output (external; then internal)	External Output (transactions)
Multimedia (audio or video)	Information transformed into speech for internal users.	Information transformed into speech for external users who respond with speech or tone input data.	Information transformed into speech for external users.
E-mail	Displayed messages related to internal business information.	Displayed messages intended to initiate business transactions.	Displayed messages related to business transactions.
Hyperlinks	Web-based links to internal information that is enabled via HTML or XML formats.	Web-based links incorporated into Web-based input pages to provide users with access to additional information.	Web-based links incorporated into Web-based transactions.
Microfiche	Archival of internal management reports to microfilm that requires minimal physical storage space.	Not applicable unless there is an internal need to archive turnaround documents.	Not applicable unless there is an internal need for copies of external reports.

## 2. Perancangan dan Prototyping Output: *Design Guidelines*

9

**Output harus mudah dibaca dan dimengerti**

**Pentingnya “timing” output tersebut**

**Akses mudah bagi semua user yang memerlukan**

**Output harus diterima oleh semua system user**