

Bab 9.

Desain dan Integrasi Sistem

Rekayasa Sistem Komputer

Desain Sistem

Desain Komponen

- Preliminary Design
- Detailed Design
- Computer Aided Design
- Reliability
- Maintainability
- Availability

Preliminary Design

- Proses
 - Pengembangan desain awal
 - Spek desain antarmuka
- Produk
 - Model
 - Mock up
 - Rencana Pengujian

Detailed Design

- Proses
 - Analisis kebutuhan
 - Desain fungsional
 - Desain komponen
- Produk
 - Dokumentasi desain
 - Prototype
 - Rencana pengujian dan verifikasi

Computer Aided Design

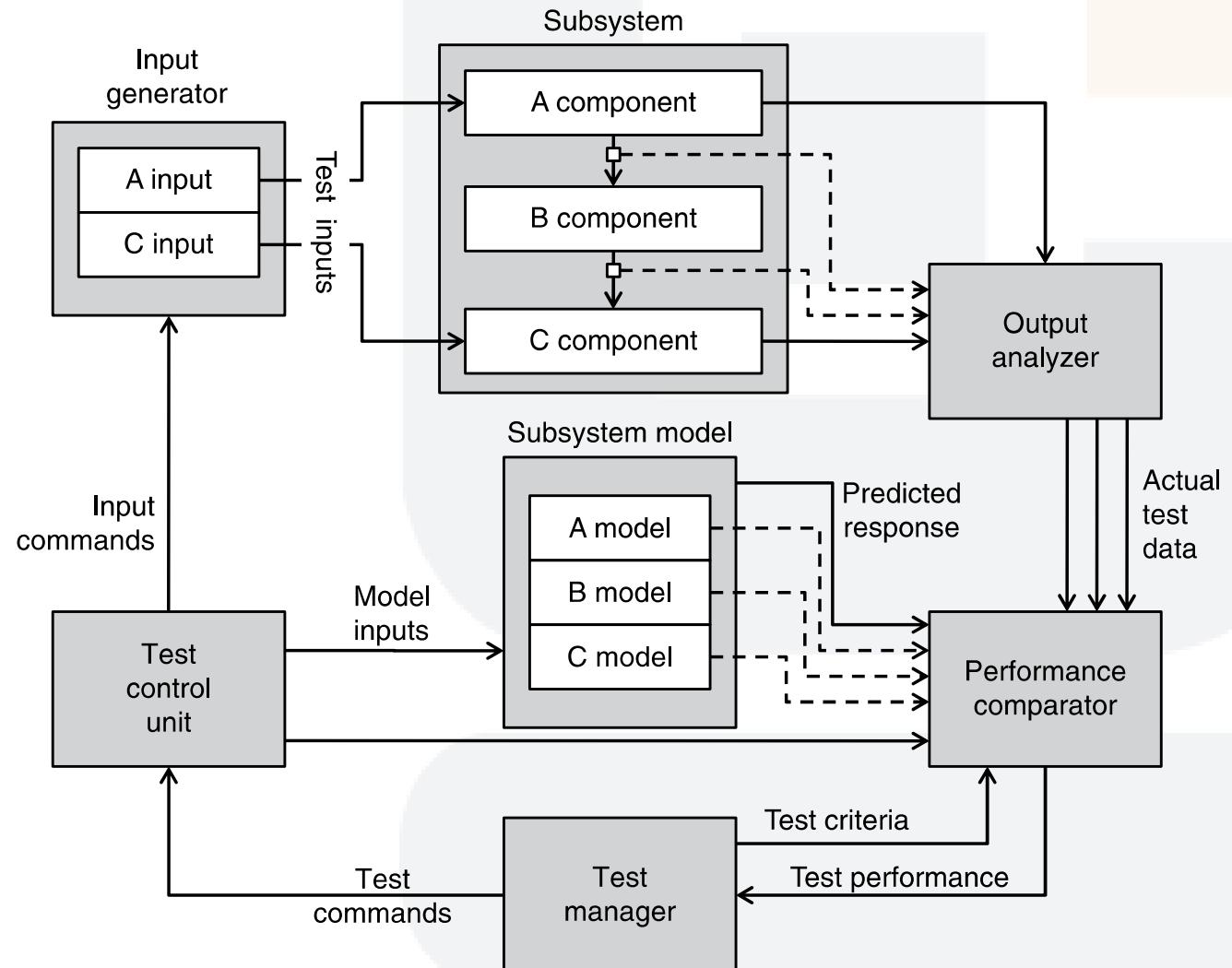
- Produk
 - Komponen elektronik
 - Komponen mekanik
- Fitur
 - Desain 3D
 - Simulasi

Validasi Desain

- Rencana Pengujian
- Development testing
- Operasional Test

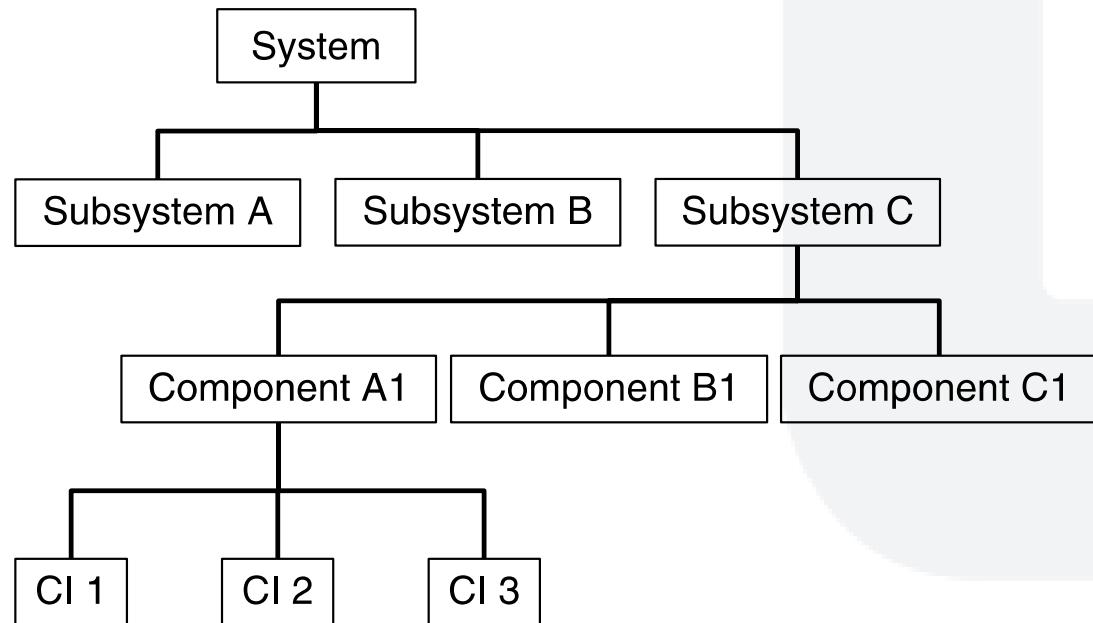
Integrasi Sistem

Integrasi Sub sistem



Jenis Integrasi

Top-down integration



Bottom-up integration

