CSGE602055 Operating Systems CSF2600505 Sistem Operasi Week 06

Rahmat M. Samik-Ibrahim

University of Indonesia at Lenteng Agung

http://rahmatm.samik-ibrahim.vlsm.org/

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Agenda

- Start
- 2 Agenda
- 3 Week 06
- 4 The End

Week 06: Processes & Threads

- Reference: (OSCE2e ch3/4) (UCB 02 03) (OLD 06) (UDA P2L1/2/3)
- Process Concept
 - Program (passive) ↔ Process (active)
 - Process in Memory: | Stack · · · Head | Data | Text |
 - Process State: | running | waiting | ready |
 - fork() and execlp()
- The Multi-process Synchronization Problem
 - Producer-Consumer (Bounded Buffer)
 - Readers-Writers
 - Dining Philosopher
- Communication
 - Pipes
 - Sockets
 - RPC

Thread

- Multicore Programming
- Multithreading Models
- Threading Issues
- Benefits
 - Responsiveness
 - Resource Sharing
 - Economy
 - Scalability
- Concurrency vs. Parallelism
- Lab
 - tba.

The End

• This is the end of the presentation.