

KUNCI JAWABAN & KISI-KISI UTS (PERTEMUAN 8)**EVALUASI MATERI MINGGU 1 S.D. MINGGU 7**Mata Kuliah: Sistem Operasi (INF-201) – Program Studi Informatika UNIB

Tugas Membaca Acuan (Persiapan UTS):

Mahasiswa wajib menelaah ulang: [OSTEP] Ch. 2–20; [Think OS] Ch. 1–9; [xv6] Ch. 1–3 sebelum menghadapi UTS.

A. PANDUAN PENILAIAN SOAL HITUNGAN**1. Penjadwalan CPU (Soal Bobot 30%):**

- Penggambaran Gantt Chart benar: Bobot 15%.
- Perhitungan *Turnaround Time* (TAT) & *Waiting Time* (W) akurat: Bobot 15%.

2. Banker's Algorithm (Soal Bobot 30%):

- Matriks $Need = Max - Allocation$ benar: Bobot 10%.
- Penelusuran *Safe Sequence* step-by-step: Bobot 20%.

3. Translasi Paging & EAT TLB (Soal Bobot 20%):

- Pemisahan Bit Page vs Bit Offset akurat: Bobot 10%.
- Formula $EAT = \alpha(\epsilon + t_m) + (1 - \alpha)(\epsilon + 2t_m)$ dihitung tepat: Bobot 10%.