Pendahuluan: Pemrosesan Sinyal

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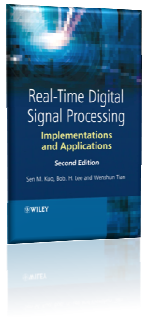
Daftar Pustaka

- [Kuo] Kuo, S.M., Lee, B.H., Tian W., (2006), Real-Time Digital Signal Processing: Implementations and Applications, 2nd Edition, John Wiley & Sons,Ltd.
- [Har] Harlianto Tanudjaja, (2007), Pengolahan Sinyal Digital & Sistem Pemrosesan Sinyal, Penerbit Andi
- [Mul] Mulgrew, B., Grant, P., Thompson, J., (), Digital Signal Processing 2nd Edition: Concepts and Application, Palgrave



Silabus

1. **Pendahulua**n: [Kuo] Chap 1
2. **Sistem Diskrit**: Har] Bab 2
3. **Pengenalan TMS320C55x Digital Signal Processor :** [Kuo] Chap 2
4. **Transformasi Z :** [Har] Bab 3
5. **Teori Dasar DSP dan Implementasinya :** [Kuo] Chap 3
6. **Perancangan Filter FIR :** [Har] bab 6, [Kuo] Chap 4
7. **Perancangan Filter IIR :** [Har] Bab 5, [Kuo] Chap 5, [Mul] Chap 5 (analog prototype)
8. **Analisa Frekuensi dan DFT:** [Har] Bab 7, [Kuo] Chap 6
9. **Digital Signal Generator:** [Kuo] Chap 8, [Mul] Chap 7
10. **Dual-Tone Multifrequency Detection (DTMF):** [Kuo] Chap 9

Peraturan Perkuliahan

Penilaian : UTS dan UAS
UTS dan UAS bisa berupa Take home test
Absensi tidak berpengaruh

Program yang harus dikuasai:
Toolbox Signal Processing MATLAB versi 8 atau diatasnya