

SISTEM LINIER (C → TK)

03/02/2015

* Administrasi Perkuliahan

Course Website

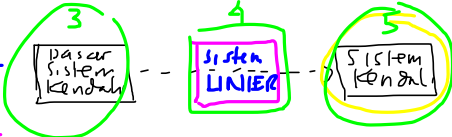
<http://www.unhas.ac.id/rhiza/arsip/kuliah/>
→ Sistem Linier

rhiza@unhas.ac.id

+62 816 431 2162

LINE: rhiza_sadjad

BB: 73EBAF20



Penilaian

MID (40%) + FIN (60%)

Referensi

"Signals & Systems" → Oppenheim, dkk

Materi Kuliah

BAB I Introduction to Linear Systems

* Pengertian SISTEM

* Representasi SISTEM → Bagas Kotak + ALJABAR (Block Diagram)

* Macam-macam SISTEM

→ * Sistem LINIER dan TAK LINIER

* LINIERisasi

→ MIDTEST (Bab I)

BAB II Linear Systems Modeling

* Urgensi/pentingnya Pemodelan

* Pemodelan WAKAF ALIH (Transfer Characteristics)

* Pemodelan NISBAH ALIH (Transfer Function)

* Pemodelan RUANG KEADAAN (State space)

BAB I Pengenalan SISTEM LINIER

→ FINAL (Bab I + II)

* Pengertian SISTEM

Oppenheim, et al, hal 35

proses

"A system can be viewed as ANY PROCESS that results in the TRANSFORMATION of SIGNALS."

bentuk

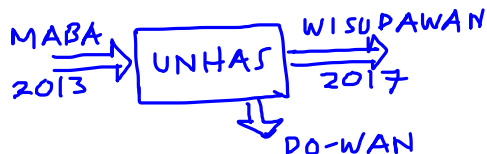
isyarat

thus, a system has an INPUT signal and an OUTPUT signal which is related to the input through the system transformation."



Contoh:

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→ next:

* Representasi SISTEM

masukan yang tidak diinginkan
→ gangguan (disturbance)
keluaran yang tidak dikehendaki
→ derau (noise)