A system can be-viewd as any process that results in the transformation of signals. Thus a system has an input signal and an output signal which is related to the inout through the system transformation.

"A system can be viewed as any process that iesults in the SISTEM LINIER (Khusur TKKE) MIDTEST (40%) UJIAN FINAL (60%) Henilaian transformation of Keferensix "Signals and Systems Oppenheim, Willsky and \* http://www.unhas.ac.id/ thus a system has rhiza/arsip/kuliah/ an Input winds and \* Sistem Linier an output signals which Linear Systems is related to the input MATERI through the system Bab I: Memperkenalkan SISTEM LINIER Introduction to Linear Systems \* Pengertian SISTEM Bagan Kotak

\* Representasi SISTEM Bagan Kotak

\* Macam-macam SISTEM (Block Diagram)

\* SISTEM LINIER dan TAK LINIER transformation (hal. 35) (MIDTEST 40%) \* LINIERISASI BubI Penudelan SISTEM LINIER INPUT Linear Systems Modelling \* Organsi Pemodelan Sistem \* Pernodelan Watak Alih (Transfer. Chractenstics Maran \* Pernodulan Nisbah Alih (Transfer \* Pernodulan Ruang Keadam (State) Contoh : energy Motor Listrik melcanik energi (eluruhnya) (UJIAN FINAL 60%) 11 Strile Antonna BubI Intro to Linew & stems Penerna listrile 90 Antenna \* Pengertian SISTEM more > Pennancy (uppenheim, et al): MARA, SENSOR Tistni 7/2015 Meninged 1000-WARD penginda

Masulcay (Input) - Tung berybah Lengan j w \* Representail SISTEM

Dulam kullah ini, sistem direpresentati kan
dengan Alat Mostematike BAGAN KOTAK

(Block Dragram) w = DM-egx Notasi 187ant \* Representati TSTARAT (signal) \* Representati PROSES (sistem) (sesuni degras definisi SISTEM) 6META Dalan bentule. \* Kata-Knta-atau Kalimat \* Representat ISTADAT (signals) Dalam bagans Kotak, isyanat direpresentan kal Jelombang radio Ohn dengan ANAK PANAH: erergi mekanik - isyant tunggal = frelCinens1 1 isyarat majenuk MABA Sutut destination 2011 Source (tujuan) (Sumber) arah propagan W= 2TF= 4 Markt \* Fungir: [tad/sec] x(t). Isyarat x yang berubat. f=frekuensi dengan (sebagai fungsi = - [Hertz] -dan) + (+= time; waktu Y(K): Isparat fang berubas T: periodo [sec] secara sekulensial, berurut K=0,1,2,3}\_-- urutan Y(0) , Keadian anal (initial condition) Y(1):15; and I jung pertoma Y(2): \_\_ I ledua