

# KONSEP UMUM TEKNOLOGI PENDIDIKAN

Oleh:  
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Strategi Pendidikan  
Negara Khilafah

# LATAR BELAKANG (1)

- ◆ Orangtua tidak mampu lagi mendidik anaknya sendiri → diserahkan kepada guru
- ◆ Makin banyaknya mereka yang memerlukan pendidikan & pembelajaran
- ◆ Makin berkembangnya IPTEK
- ◆ Makin terbatasnya sumber sedekala
- ◆ Perlunya dicari pendekatan baru

# LATAR BELAKANG (2)

## EARLY FORERUNNERS

- ◆ Kaum Sufi (lk. 600 SM) mengajar dengan aneka cara dan atribut :
  - Socrates : metode dialog
  - Aristoteles : peragaan “Tidak ada satupun dalam pikiran tanpa melalui indera” (Nihil est in intellectu, quod non prius fuit in sensu)
- Komensky (Johan Amos Comenius) : Orbis Sensualium Pictus (1659)

# FORERUNNERS (engineering)

James Munroe (1912) → educational engineering

School would operate analogous to industry.  
Edu-cational engineers would make a thorough study of :

Pupils → raw materials

Teachers & adminiatratos → working force

Building & facilities → plant

Means & methods of instruction → process

Demand of society → market problem

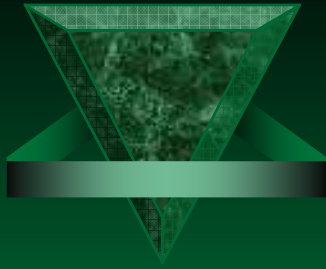
Cost → business problem

# FORERUNNERS (engineering)

Charters, W.W. (1945) → refined educational engineering concept

Engineering is the professional and systematic application of science to the efficient utilization of natural resources to produce wealth

Engineer the systemization of instruction through that was intended to standardize processes and outcomes.

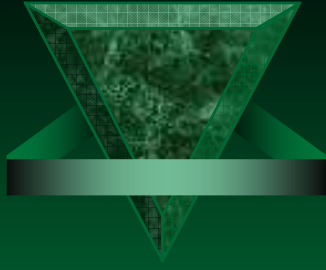


# TEKNOLOGI

TEKNOLOGI

PROSES

ADDED VALUE  
Inovatif  
Sumber  
Sistem



# KONSEP TEKNOLOGI PENDIDIKAN

## ❑ **PROSES**

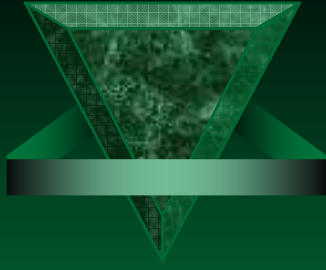
- Sinergistik
- Inovatif dan isomeristik

## ❑ **SUMBER; TOOL**

- Dirancang
- Dimanfaatkan

## ❑ **SISTEM**

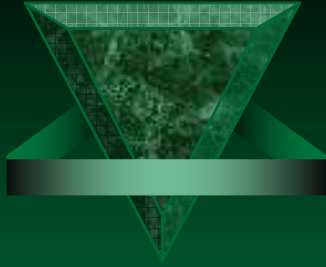
- Komprehensif
  - Integratif
  - Sistematis



## DEFINITION (AECT, 2004)

- “Educational technology is the study and ethical practice of facilitating learning and improving performance by **creating, using and managing** appropriate **technological process** and **resources.**”

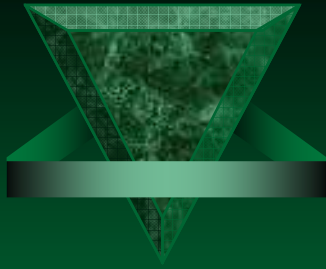




# OBJEK FORMAL

- ✓ Teknologi Pendidikan merupakan suatu bidang khusus (spesialisasi) ilmu pendidikan dengan **objek formal belajar** baik secara pribadi maupun dalam organisasi.

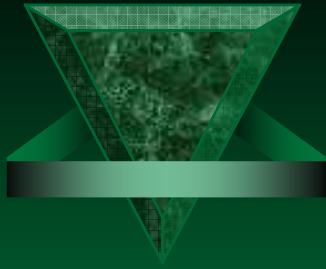
(p.199)



# FUNDAMENTAL CONCEPT

- ✓ The fundamental concept of educational technology is to enable learners to learn optimally by the development and utilization various learning resources that is suitable with their conditions and environments.

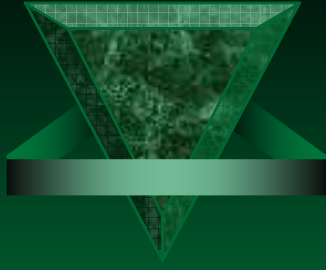
(p.179)



# KEGIATAN PROFESIONAL

Kegiatan profesional Teknologi Pendidikan pada dasarnya meliputi delapan kategori kegiatan yaitu ;

- ✦ Perencanaan program instruksional
- ✦ Pengembangan media pembelajaran
- ✦ Produksi media pembelajaran
- ✦ Pemanfaatan sarana pembelajaran
- ✦ Pelaksanaan kegiatan pembelajaran
- ✦ Penilaian program dan media pembelajaran
- ✦ Pengelolaan sumber belajar
- ✦ penelitian proses, sumber dan hasil belajar

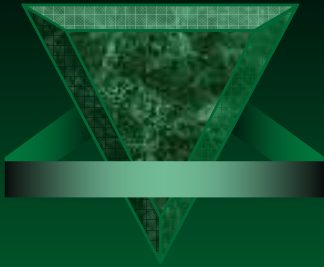


# PENDEKATAN TEKNOLOGI PENDIDIKAN

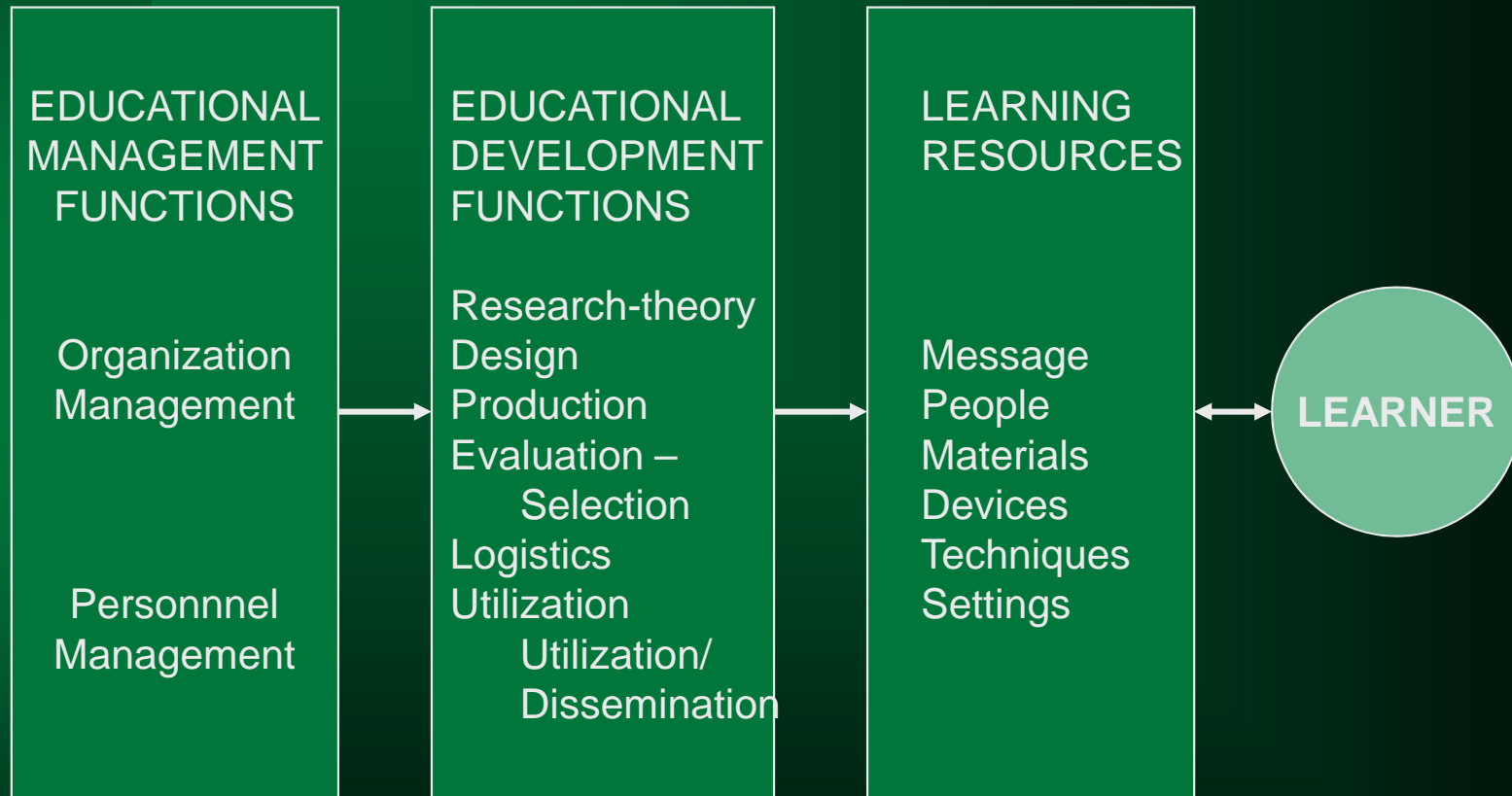
Pendekatan yang digunakan dalam Teknologi Pendidikan pendekatan yang bersifat;

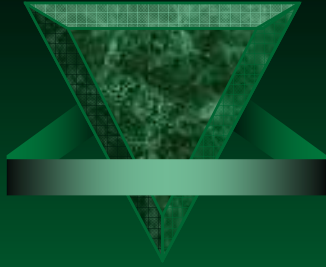
- **Isomeristik**, menggabungkan berbagai kajian /bidang keilmuan.
- **Sistematik**, berurutan dan terarah dalam usaha memecahkan persoalan
- **Sinergistik**, menjamin adanya nilai tambah dari seluruh pelaksanaan kegiatan
- **Sistemik**, pengkajian menyeluruh dan komprehensif.

(p.193)



# Domain of Educational Technology





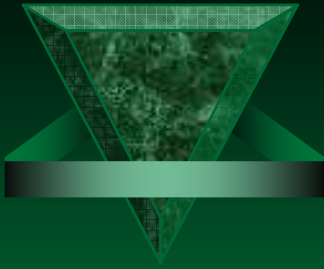
# AECT Fourth Definition 1994

- ✓ Instructional technology is the theory and practice of design, development, utilization, management, and evaluation of processes and resources for learning
- ✓ Components of the definition :
  - theory and practice
  - of design, development, utilization, management and evaluation
  - of processes and resources
  - for learning

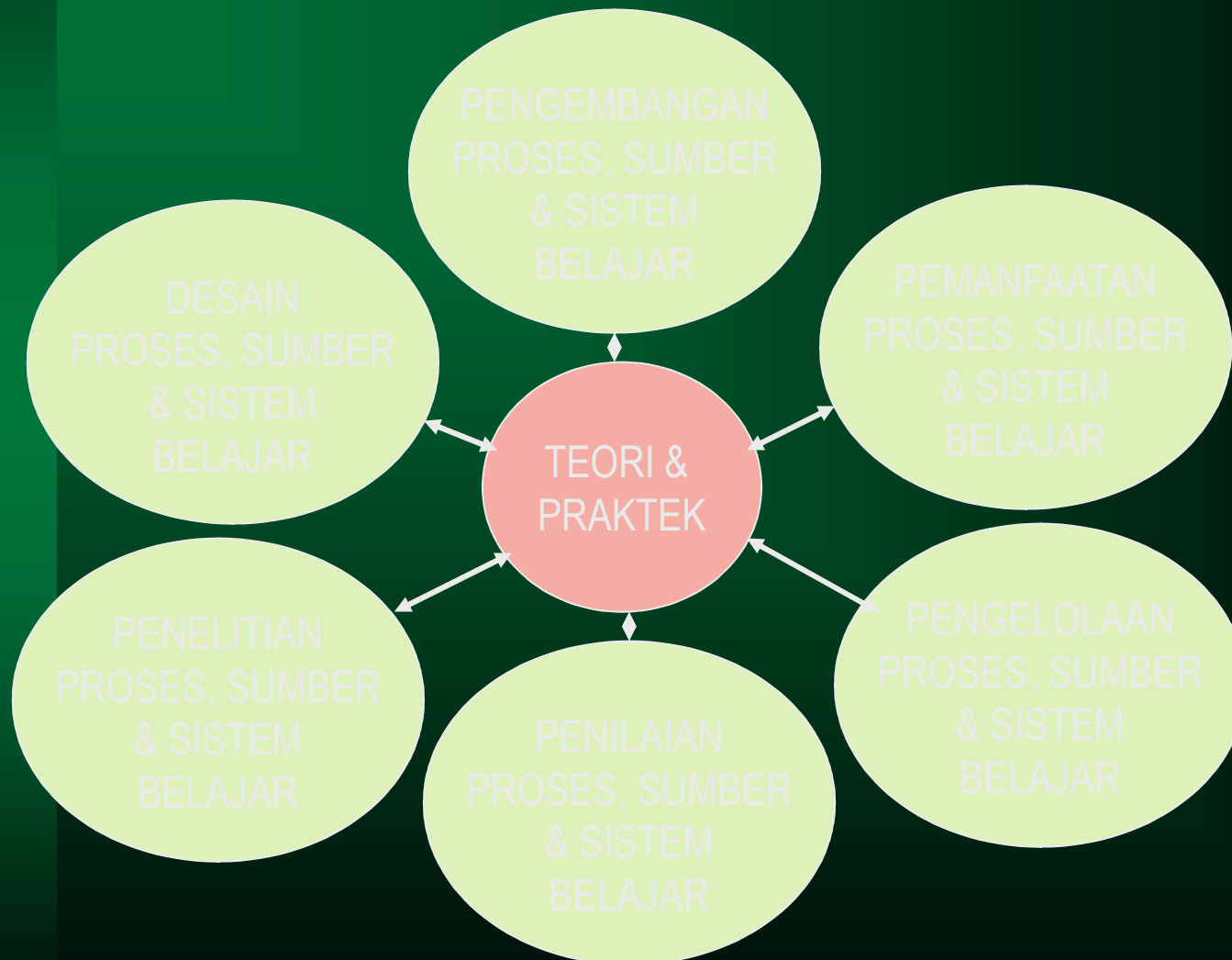


## Definition of Instructional Technology (1994)





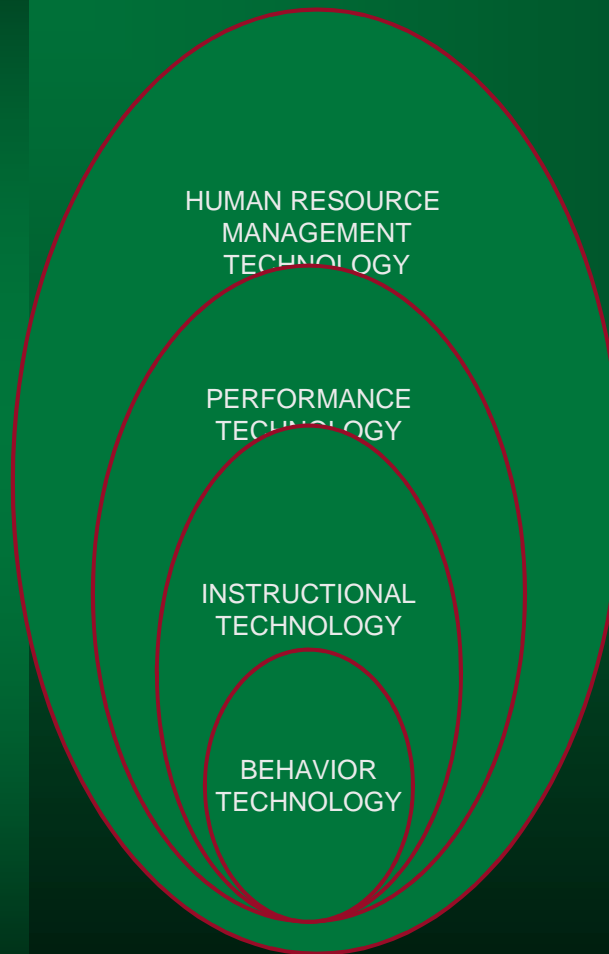
# ADAPTASI DEFINISI



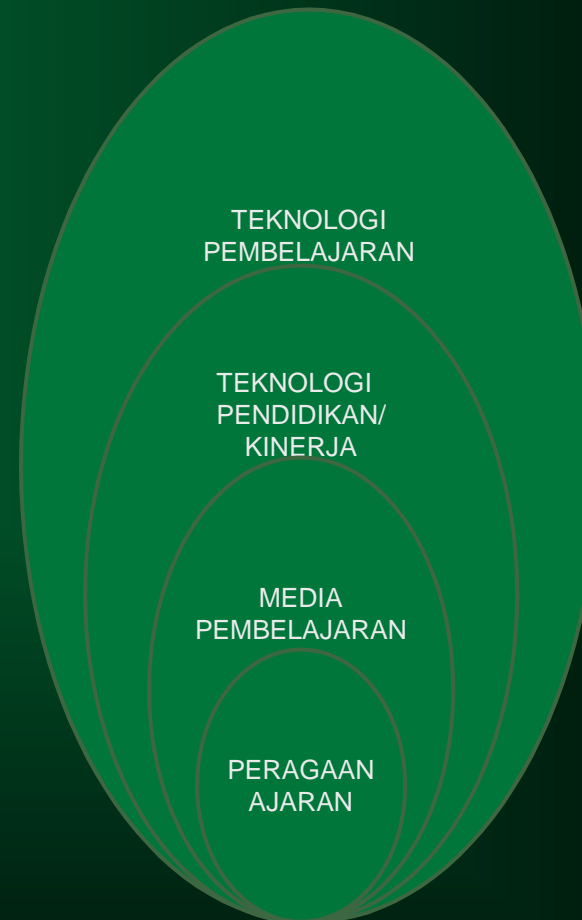




# CONCEPTUAL DEVELOPEMENT



Romiszowski



Yusufhadi Miarso



Sekian

Terima Kasih....