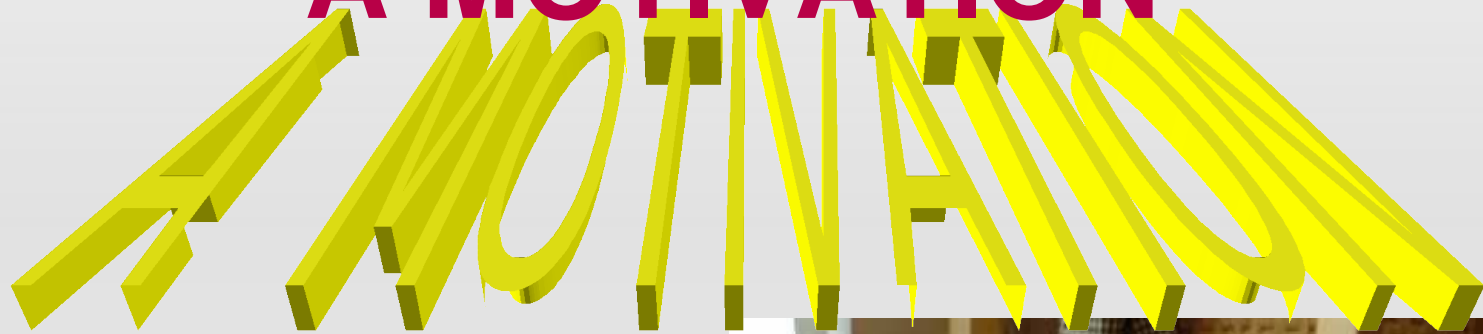




Information and Communication Technology:

A MOTIVATION



presented by: **Rhiza S. Sadjad**

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Hari ini



Dari Hiroshima-Nagasaki

ke WTC 911,

sampai Bom di Bali!

..... dan Makassar!

..... Agresi AS dan sekutunya ke IRAQ !

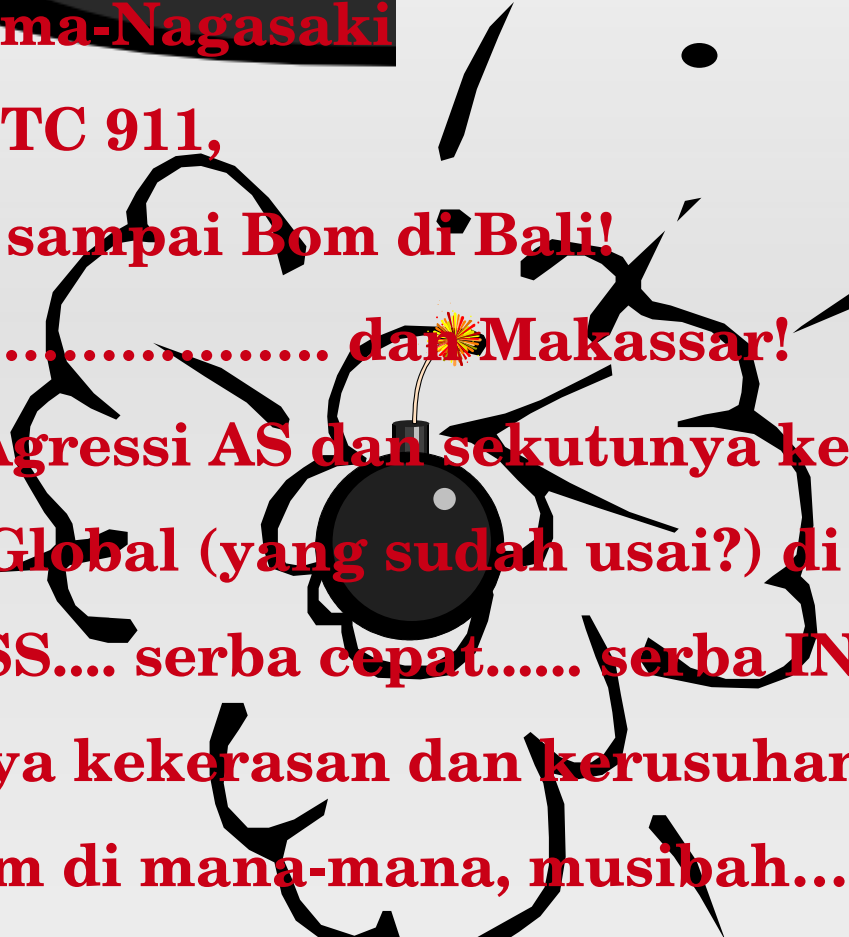
Persaingan Global (yang sudah usai?) di era pasar bebas

serba STRESS.... serba cepat..... serba INSTANT

Meningkatnya kekerasan dan kerusakan

Bencana alam di mana-mana, musibah.....

..... Global warming !!!.....



Masa depan bumi ?



SEJARAH PERADABAN

Sejarah Peradaban

Era Peradaban	Issue Sentral	Peristiwa Dahsyat
PERTANIAN	LAHAN TANAM	REVOLUSI SOSIAL dan KEMERDEKAAN
INDUSTRI	ENERGI	HIROSHIMA NAGASAKI
INFORMASI	INFORMASI	WTC 911

[illegible]

Hijacked Jets Fly Into Trade Center, Pentagon

[illegible]

WTC 911



WTC 911



WHY THE TOWERS COLLAPSED



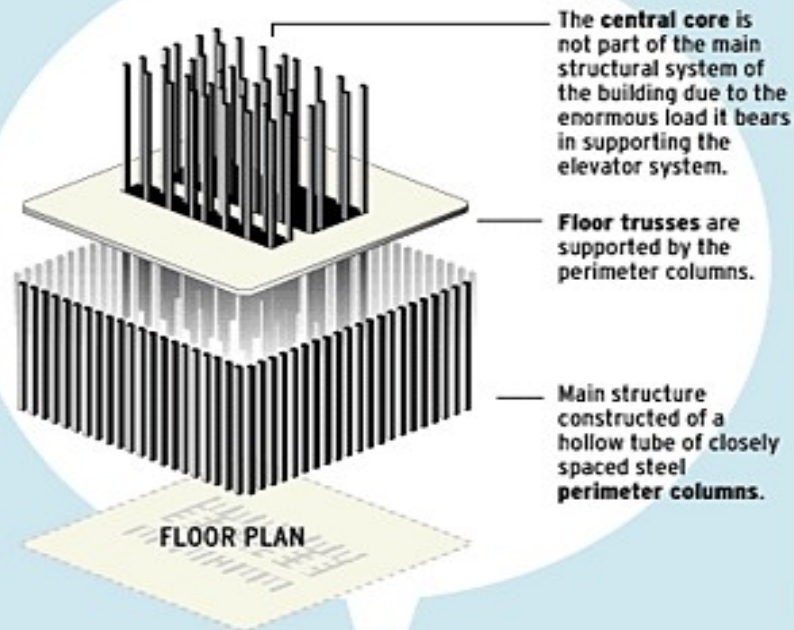
The impact of the plane crash destroyed a significant number of perimeter columns on several floors of the building, severely weakening the entire system.

As fire raged in the upper floors, the heat gradually affected the remaining structure.

The prolonged high temperatures, fuelled by the large volumes of aviation gas, weakened the steel core struts.

When the fire reached 1,500°F, the weakened struts collapsed and the truss system collapsed vertically.

The building's perimeter columns and floor trusses form a steel lattice, which was designed to act as a wind brace, thereby keeping disturbance away from the central core.

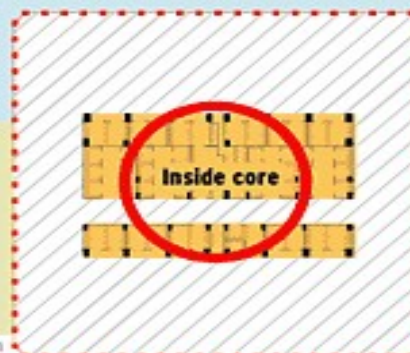


The central core is not part of the main structural system of the building due to the enormous load it bears in supporting the elevator system.

Floor trusses are supported by the perimeter columns.

Main structure constructed of a hollow tube of closely spaced steel perimeter columns.

FLOOR PLAN OF THE WORLD TRADE CENTRE



A hollow tube of closely spaced perimeter columns form the main structural component of the tower.



*Masyarakat
"nyata"*

"MASYARAKAT" MAYA

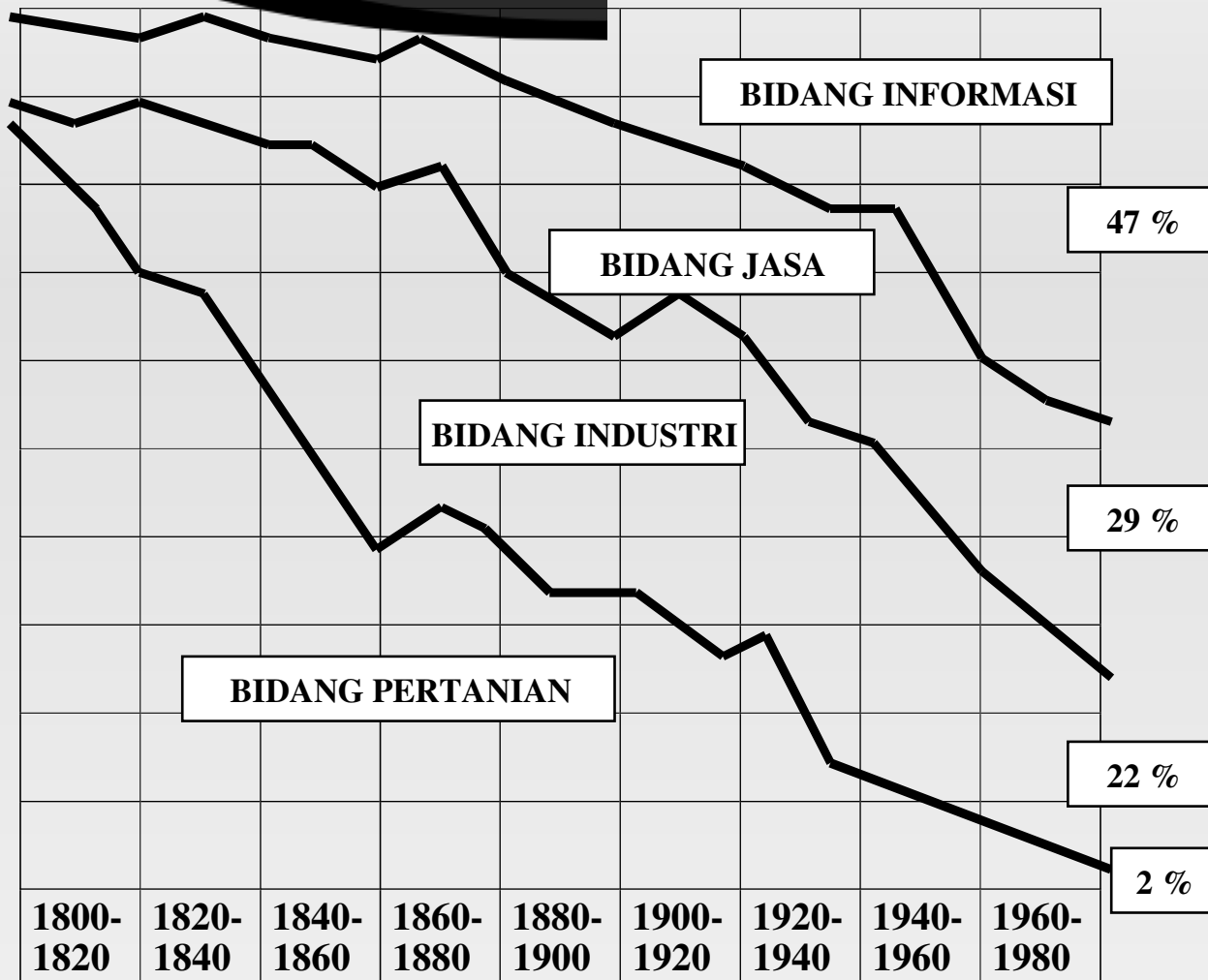
*MASYARAKAT
INFORMASI*



ERA INFORMASI GLOBAL !

Masyarakat Informasi

KOMPOSISI TENAGA KERJA



Gambar 1

Perubahan komposisi angkatan kerja di Amerika Serikat 1800-1980
(Sumber: Everett M. Rogers, [1986], *Communication Technology*, hal. 11)

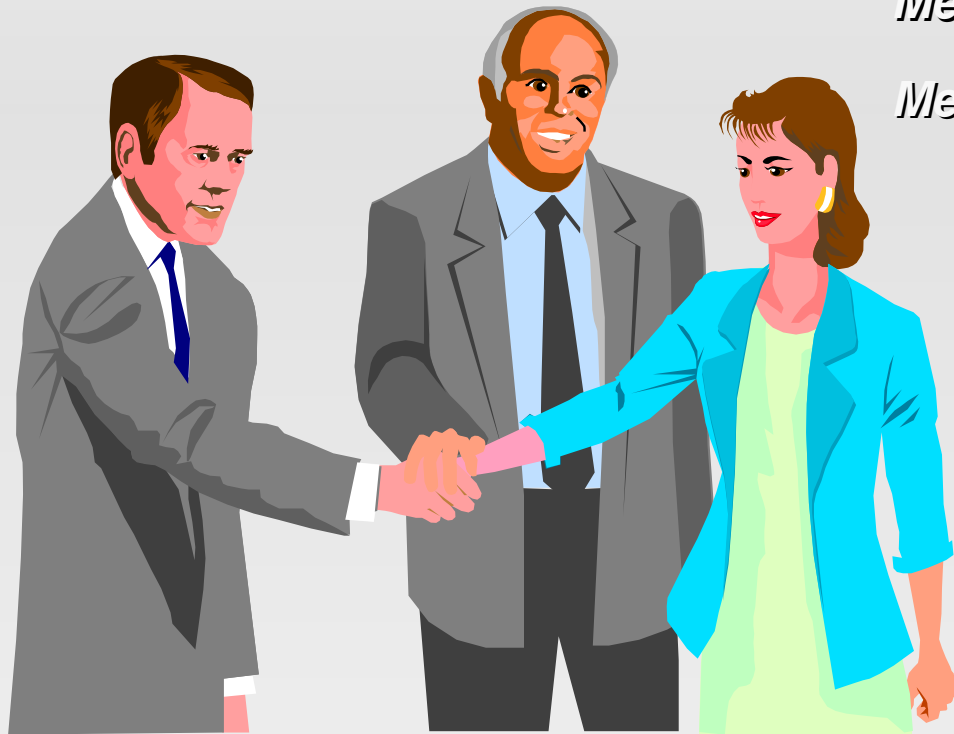
Pekerja Informasi

Pekerja informasi:

Mem-produksi

Mengolah.....

Men-distribusikan



INFORMASI

dan

Memproduksi

TEKNOLOGI INFORMASI

..... dosen dan peneliti,
pegawai administrasi

C/O

Key Social Institutions

<i>Society</i>	<i>Key Social Institution</i>
<i>Agricultural</i>	FARM
<i>Industrial</i>	FACTORY
<i>Information</i>	UNIVERSITY

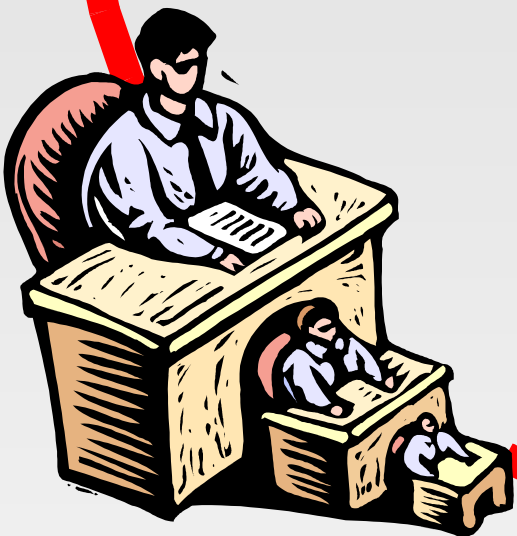
(Sumber: Everett M. Rogers, [1986], “*Communication Technology*”, hal. 13)

MASYARAKAT INFORMASI

Pesantren
Sekolah
Kampus

PESANTREN
SEKOLAH KAMPUS

Masyarakat
INFORMASI



ICT for DEVELOPMENT



ICTAD

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SELESAI

The END
The END

THE END

Selamat mengikuti
KULIAH ini
dengan SEKSAMA