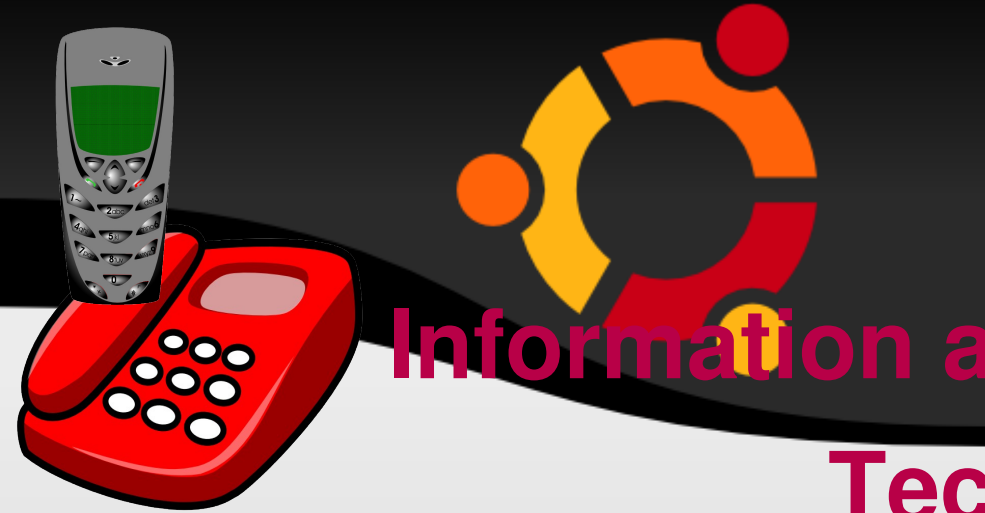




Information and Communication Technology:

A MOTIVATION
Welcome to the Information Society !!!



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 !

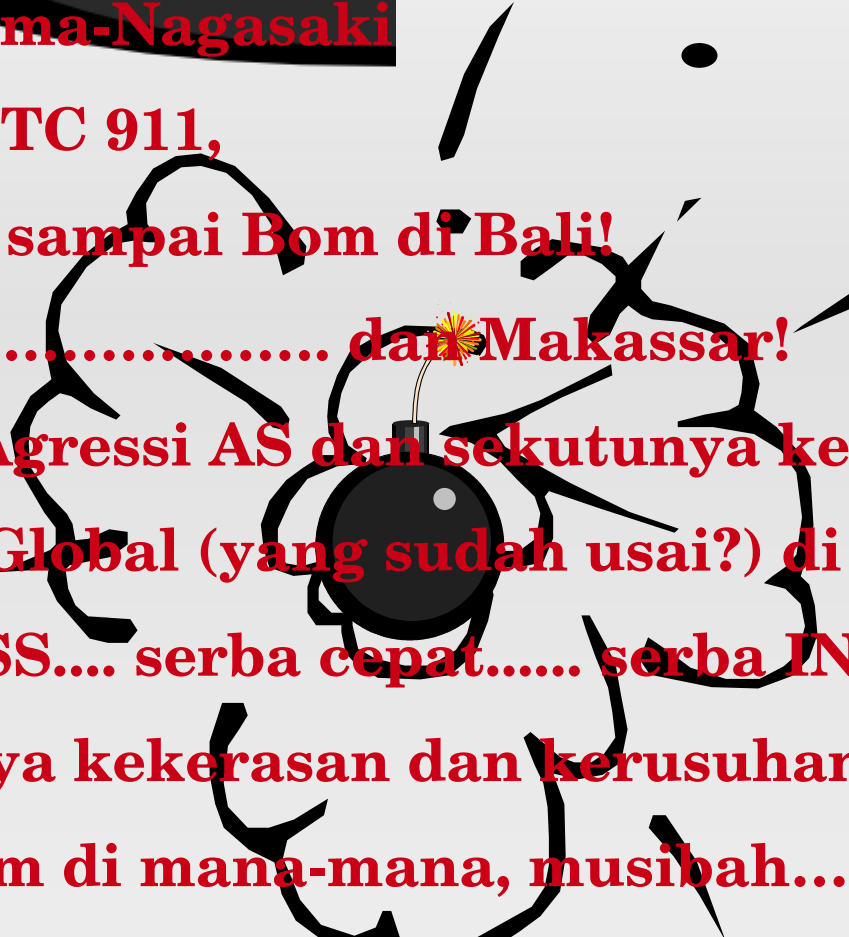
Persaingan Global (yang sudah usai?) di era pasar bebas

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

EXTRA EDITION
Los Angeles Times

TUESDAY, SEPTEMBER 11, 2001

Terror Attack

Hijacked Jets Fly Into Trade Center, Pentagon



Timeline of Terror

9:03 a.m. American Airlines Flight 11, a Boeing 767-300ER, is hijacked by four men posing as passengers. The plane is headed for the World Trade Center in New York City.

9:03 a.m. United Airlines Flight 175, a Boeing 767-300ER, is hijacked by four men posing as passengers. The plane is headed for the World Trade Center in New York City.

9:03 a.m. American Airlines Flight 77, a Boeing 757-200, is hijacked by four men posing as passengers. The plane is headed for the Pentagon in Arlington, Va.

9:03 a.m. United Airlines Flight 93, a Boeing 767-300ER, is hijacked by four men posing as passengers. The plane is headed for Washington, D.C.

9:58 a.m. American Airlines Flight 11 crashes into the North Tower of the World Trade Center.

9:59 a.m. United Airlines Flight 175 crashes into the South Tower of the World Trade Center.

10:28 a.m. American Airlines Flight 77 crashes into the Pentagon.

10:29 a.m. United Airlines Flight 93 crashes into a field near Shanksville, Pa.

A Day of Carnage and Chaos

By the time the dust settled, more than 3,000 people had been killed or injured. The World Trade Center towers were destroyed, and the Pentagon was damaged. The attack was a shocking and unprecedented act of terrorism.



WTC 911



WTC

911



WHY THE TOWERS COLLAPSED



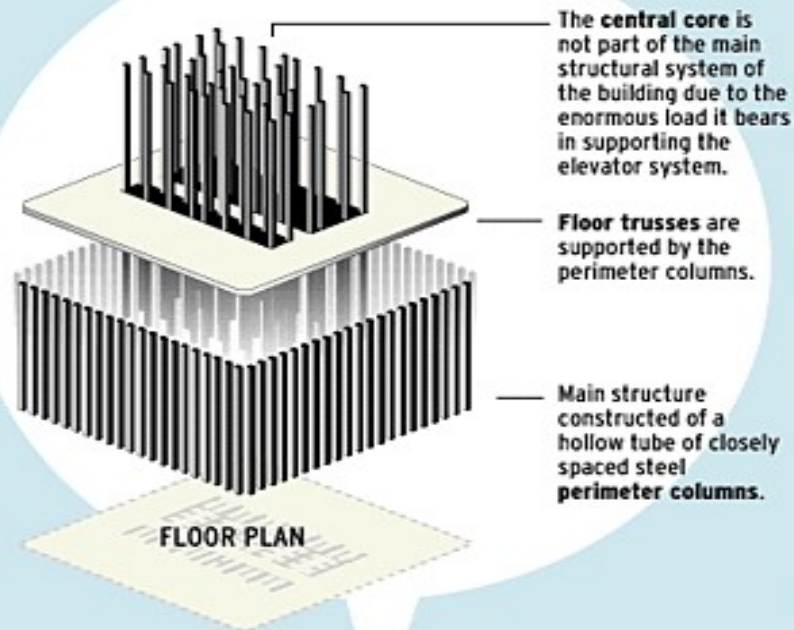
The impact of the plane crash destroyed a significant number of perimeter columns on several floors of the building, severely weakening the entire system.

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.

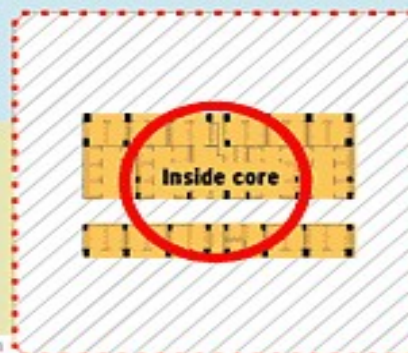


The central core is not part of the main structural system of the building due to the enormous load it bears in supporting the elevator system.

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 !

Welcome to the Information Society !

Masyarakat
“nyata”

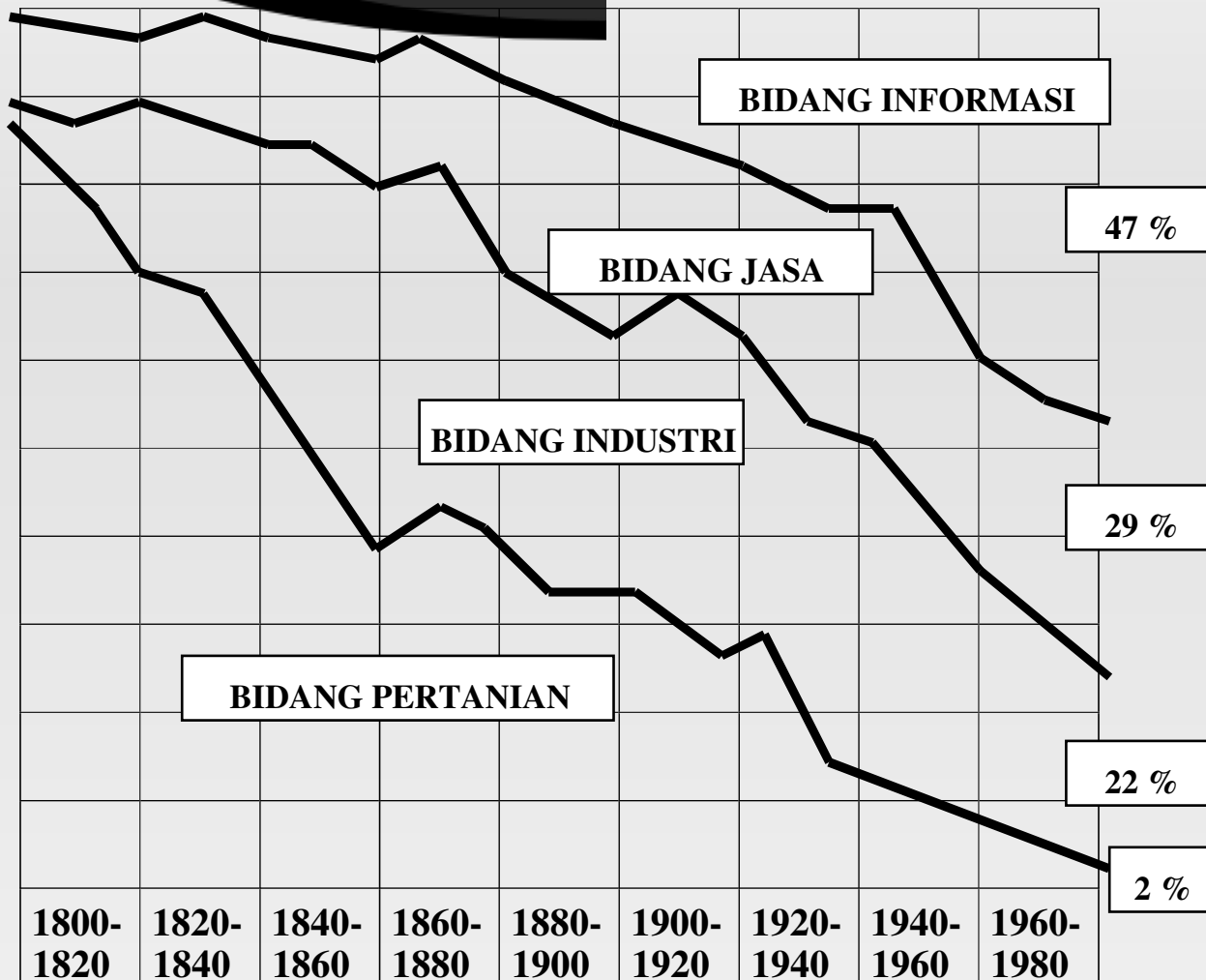
“MASYARAKAT” MAYA

MASYARAKAT
INFORMASI

*An **information society** is a nation in which a **majority** of the labor force is composed of **information workers**, and which information is the **most important element**. (Rogers, [1986], page 10)*

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 (*information workers*)

Pekerja informasi:

Mem-produksi

Mengolah.....

Men-distribusikan

INFORMASI

dan

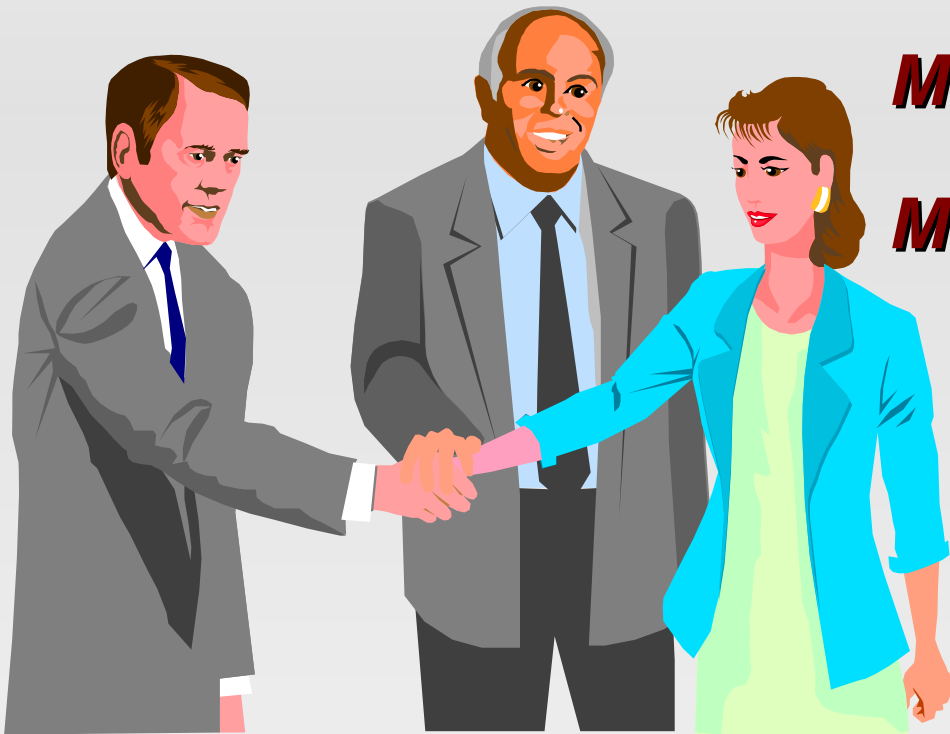
Memproduksi

TEKNOLOGI INFORMASI

(Rogers, [1986], page 10)

..... dosen dan peneliti,
pegawai administrasi

C/O



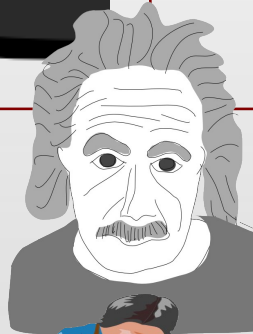
Main types of employment



Society

Profession

Agricultural



FARMERS

Industrial

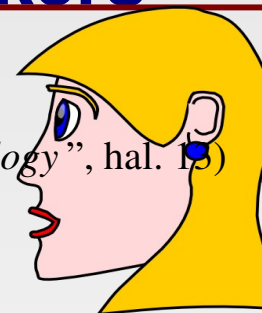


FACTORY Workers



Information

**INFORMATION
Workers**



(Sumber: Everett M. Rogers, [1986], “Communication Technology”, hal. 18)

ement/k



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

Basic Technology



Agricultural

Society

Technology

Manual Labor

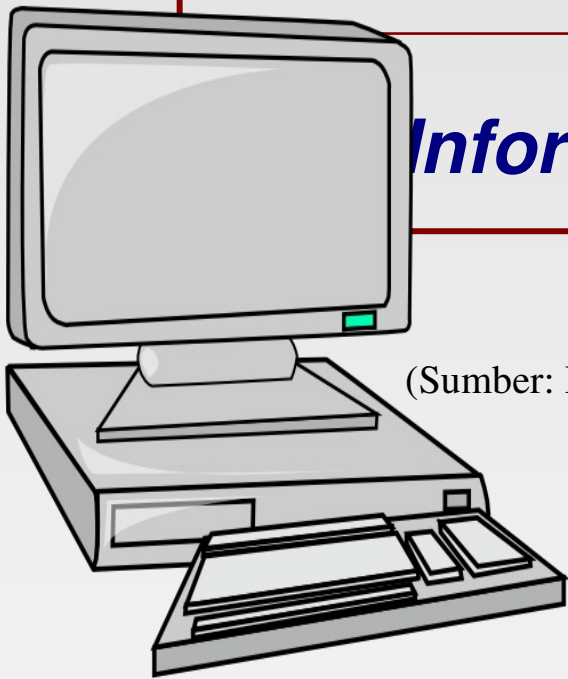
Industrial



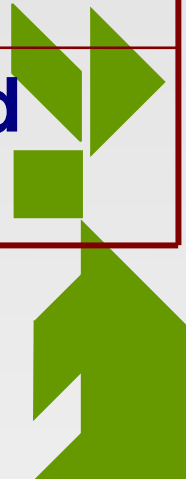
Steam Engine

Information

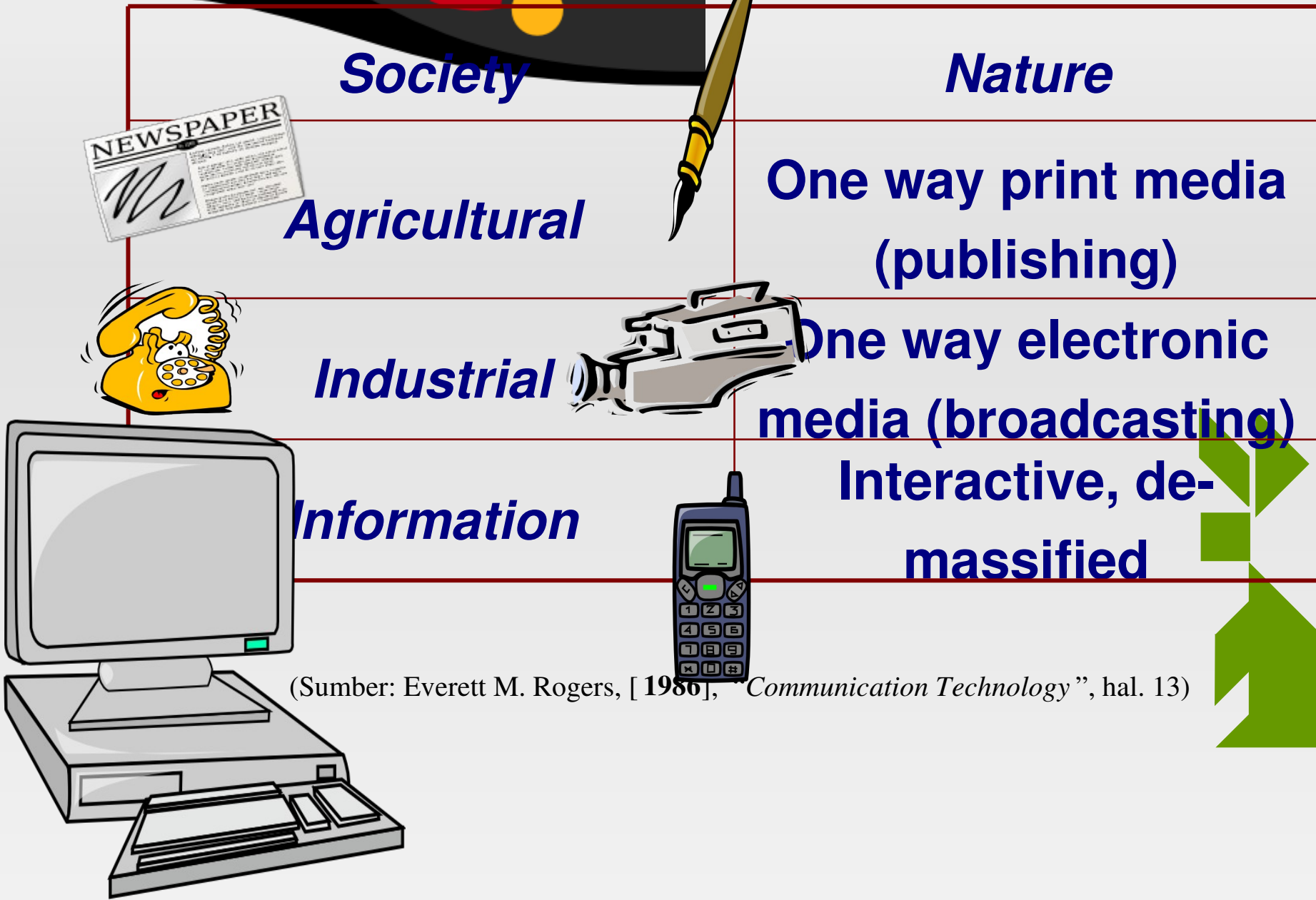
**Computer and
Electronics**



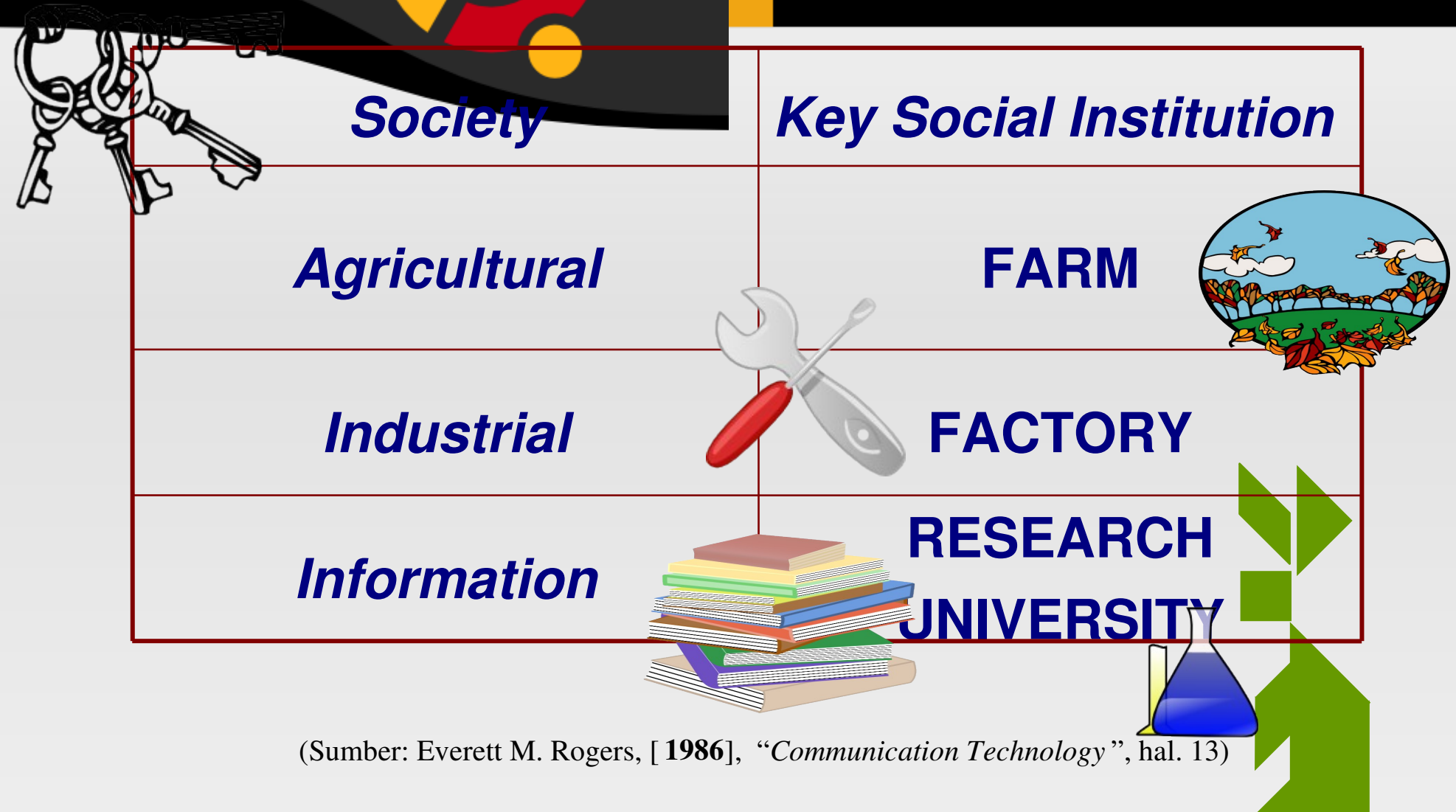
(Sumber: Everett M. Rogers, [1986], “*Communication Technology*”, hal. 13)



Nature of Mass Communication



Key Social Institutions



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

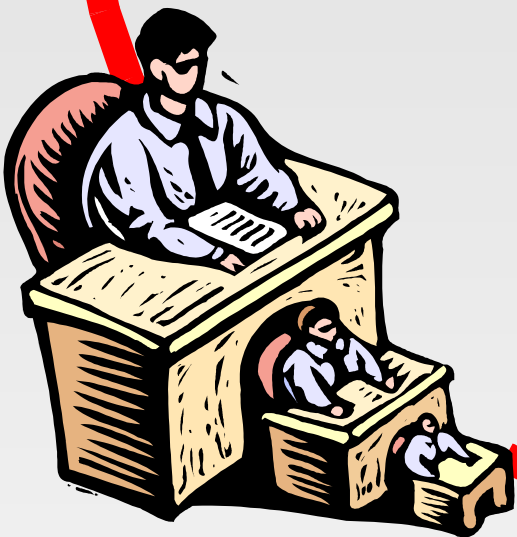
MASYARAKAT INFORMASI

Pesantren
Sekolah
Kampus

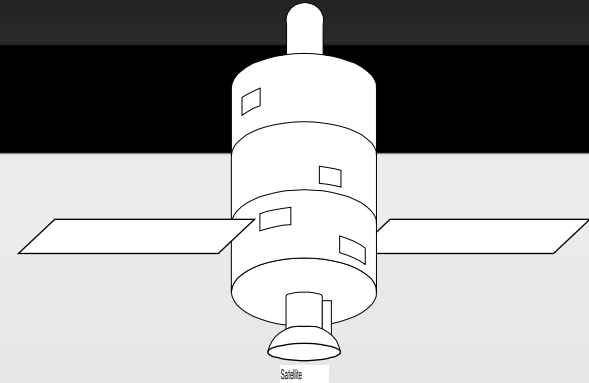


PESANTREN
SEKOLAH
KAMPUS

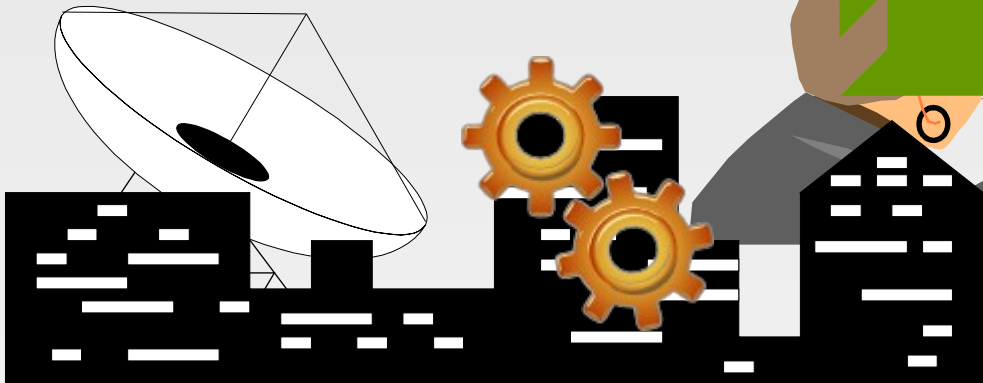
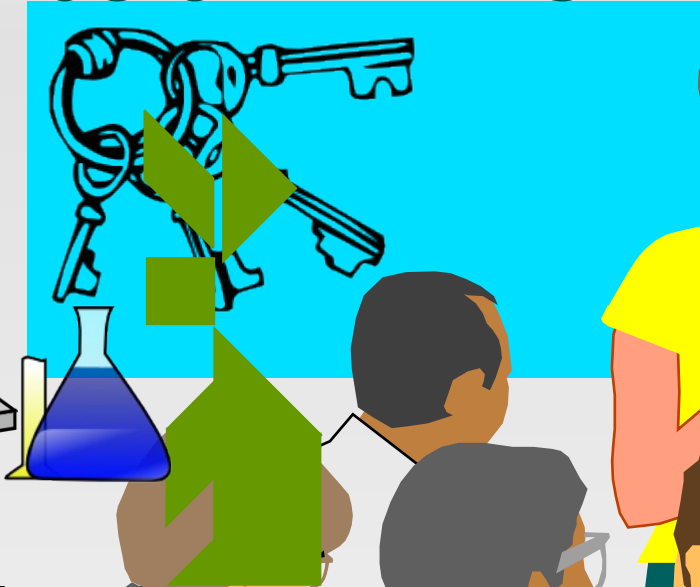
Masyarakat
INFORMASI



Today's Situation



- All kinds of HI-TECH stuffs



SELESAI
The END
The END

THE END

Sudahkah membaca tetralogi
karangan ANDREA HIRATA ???

Laskar Pelangi
Sang Pemimpi
EDENSOR
Maryamah KARPON