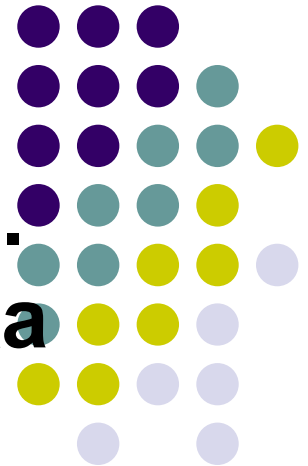
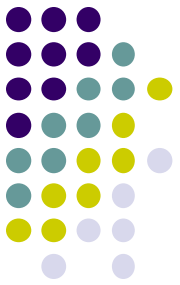


Advance Artificial Intelligence (AIS)

**Dr. Drs. Taswanda Taryo, M.Eng.Sc.
Program Magister Teknik Informatika
Universitas Pamulang
Feb.-March 2023**

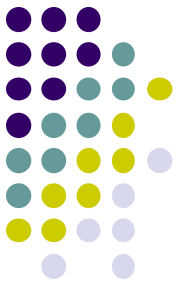


My Short CV



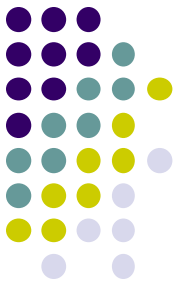
- Born, March 28, 1956
- 1. Education: Physics, ITB, 1976-1981,
- 2. Univ. New Brunswick, Canada, M.Sc. in Chem. Eng.,
 - 1989-1991,
- 3. Doctor in Computation, UGM, 1998-2003,
 - *Cum Laude.*
- Joined BATAN November 1981;
- A. Div. Manager of Reactor Technology, 1992
- B. Director of Safeguards Tech. Center, 2005
- C. Director of Nuclear Safety and Rect. Techn. Center, 2006
- D. Director of Dissemination Center, 2006-2008

My Short CV



- E. Deputy Chairman for Dissemination of NST, 2008-2011
 - F. Secretary General, 2011-2014
 - G. Deputy Chairman of NET, 2014-March 2016
 - H. Member of National Energy Council (DEN),
 - Jan.-Dec., 2014
 - I. President Commissioner of PT INUKI,
 - August 2011-March 2016.
 - J. Part -Timer Lecturer for S-2, Saturday/Sunday
Since 2003-Now.
- K. CEO of Project Management Office for Indonesia Exp. Power Reactor, April 2016-Dec. 2017.
- L. Sen. Researcher at BATAN, Jan 2018-April 2021.
 - M. Full Unpam Lecturer Since April 2021.
- At least 82 Papers for National and International Seminars, Conferences and Journals.

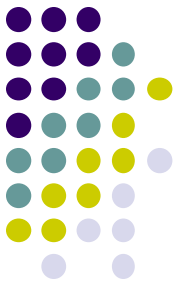
GRADING



Minimum Kehadiran 75%

- 1. KEHADIRAN 10%,**
- 2. TUGAS/PRESENTASI:
20%**
- 2. UTS: 30%**
- 3. UAS: 40%**

GRADING



**1. KEHADIRAN 10% (100 bila 14x
Hadir)**

2. TUGAS 20%

**(60% Nilai Tugas Mingguan 14X +
40% Nilai Presentasi)**

3. UTS: 30%

4. UAS: 40%



JADWAL KULIAH

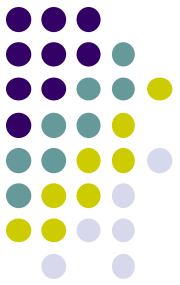
KULIAH•PRE-UTS:

22/02; 01/03; 08/03
15/03; 22/03; 29/03; 03/05
ME/UTS: 10 May 2023

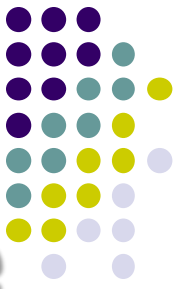
KULIAH PRE-UAS:
17/05; 24/05; 31/05
07/06; 14/06; 21/06; 28/06

FINAL EXAM: 05 July 2023

PRESENTATION



1. Duration 15 minutes,
2. The topics must relate to MIS,
3. Grading: Content, Time and Presentation's Style,
4. Presentation can be in Bahasa or in English,
5. If in English, "BONUS 5" will be rewarded for Final Exam



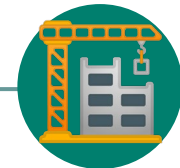
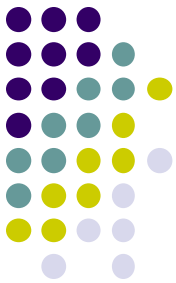
4 Steps to Be A Good Life

- 1. To Have A Vision,**
- 2. To Be Focused and Sustain,**
- 3. Be Honest and Always
To Be A Giver and**
- 4. Be Prayed to Allah and Ask
Pray from Your Parents.**



Nuclear for Country Prosperity

UNPAM Tangsel, February 2023



Status of NPPs in the Globe

449

Operation

398.887 MWe

On-power capacity

52

In-progress construction

USA

96 reactor

97565 MWe

2 reactor

France

58 reactor

63130 MWe

1 reactor

China

48 reactor

44518 MWe

9 reactor

Japan

37 reactor

35947 MWe

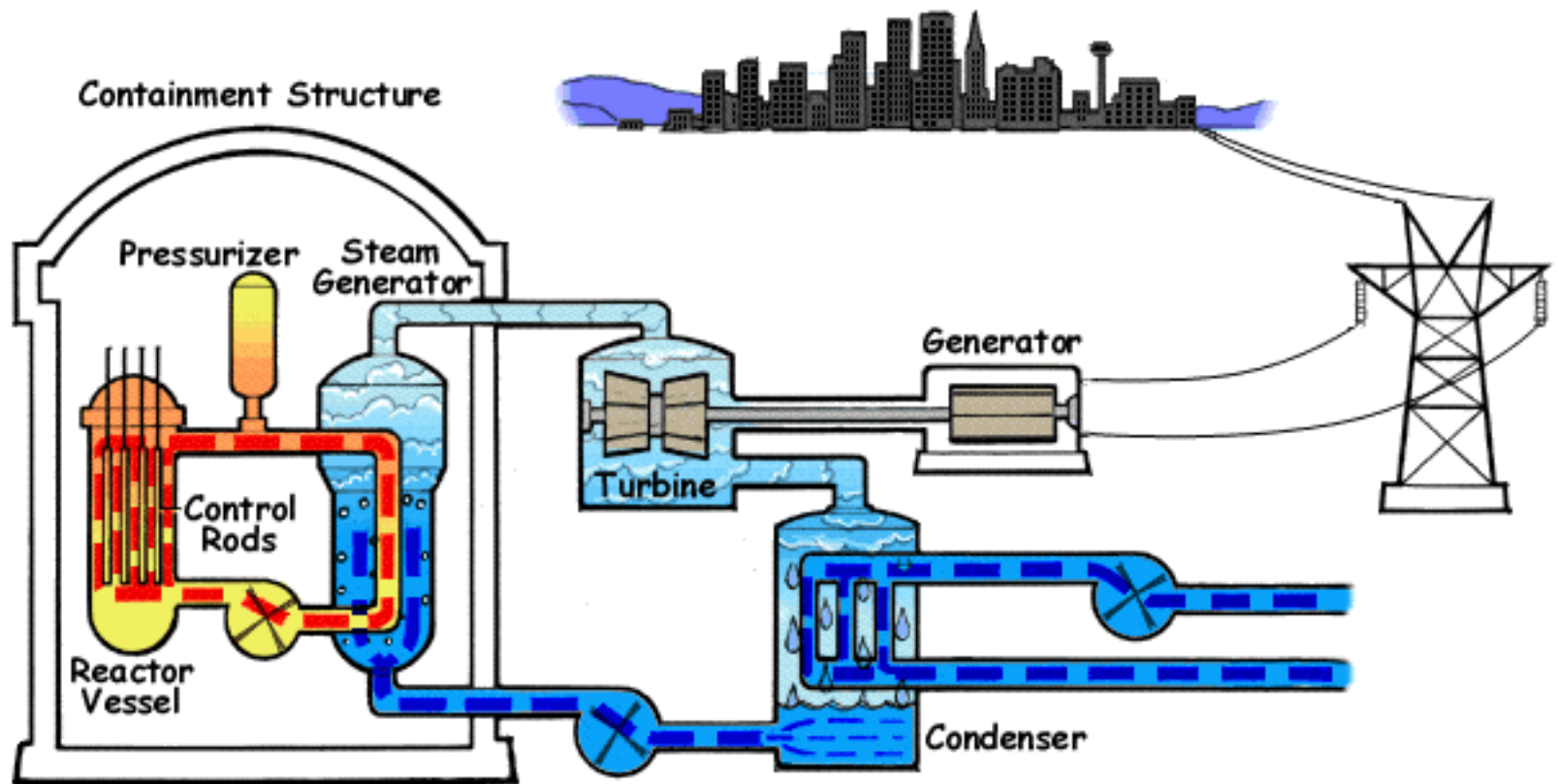
2 reactor

Russia

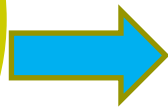
36 reactor

28355 MWe

6 reactor



WHY NPP ?



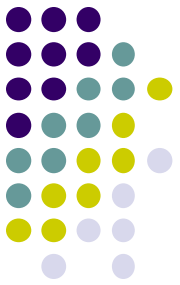
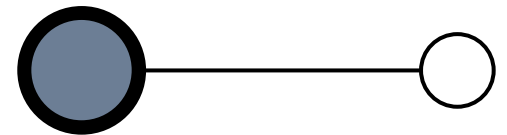
EFFICIENT



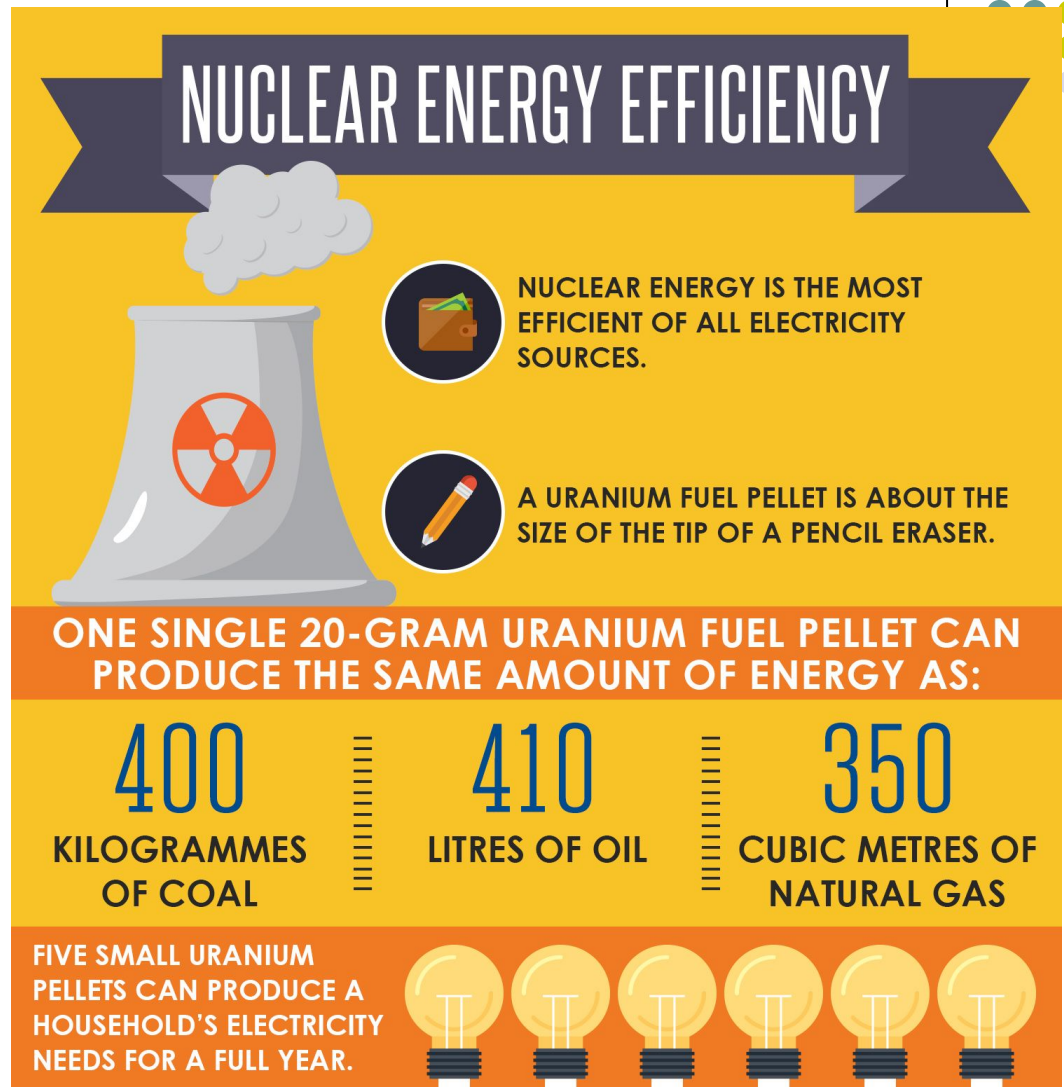
RELIABLE



CLEAN

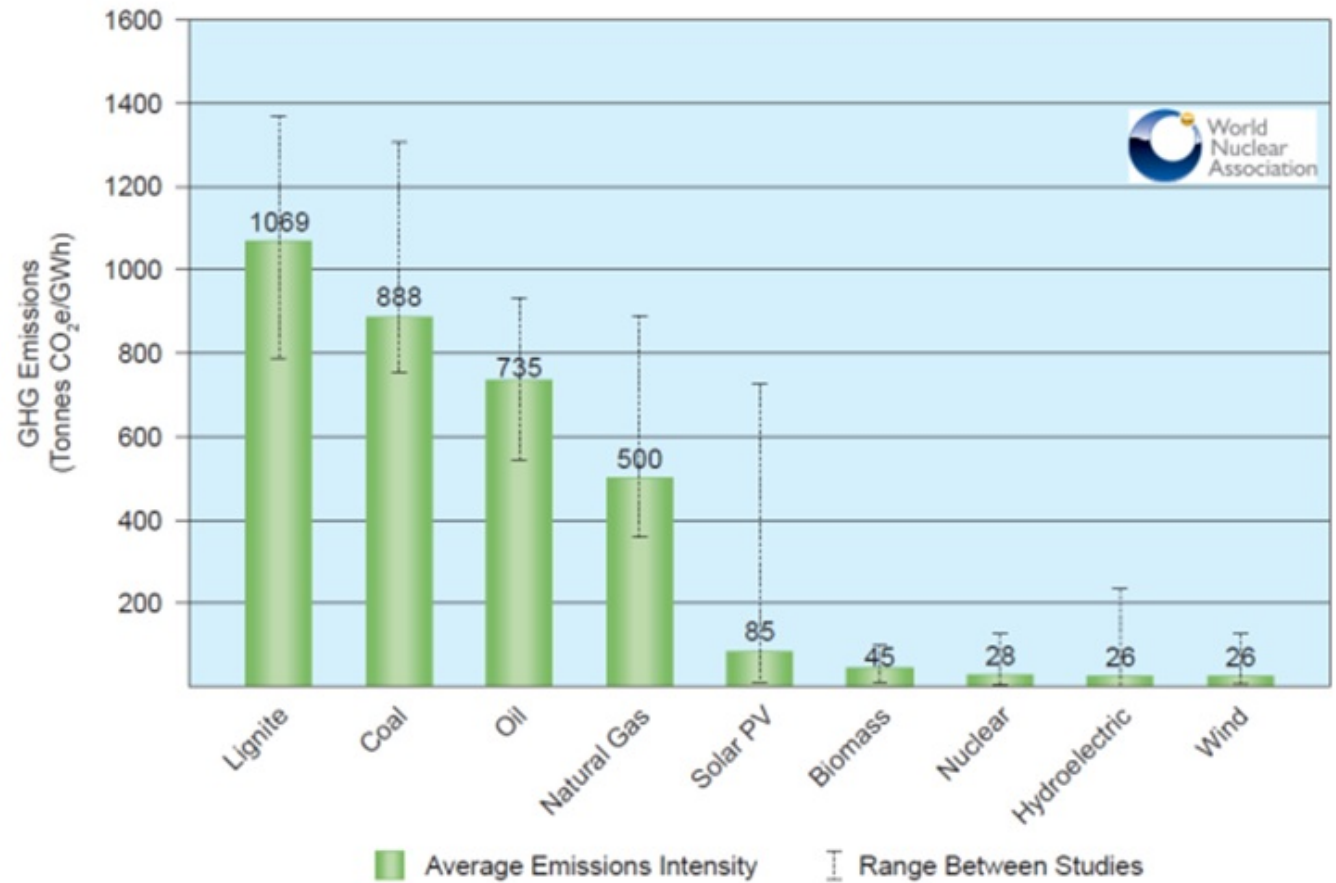


Fuel Comparative





Carbon Emission Comparative





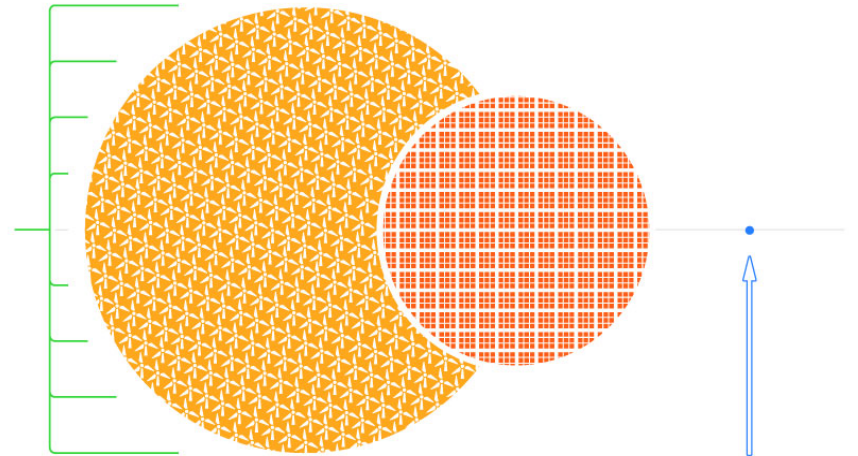
Land Need for Site

HOW MUCH
LAND

DOES IT TAKE
TO PRODUCE

26 TERAWATT
HOURS

ANNUALLY?

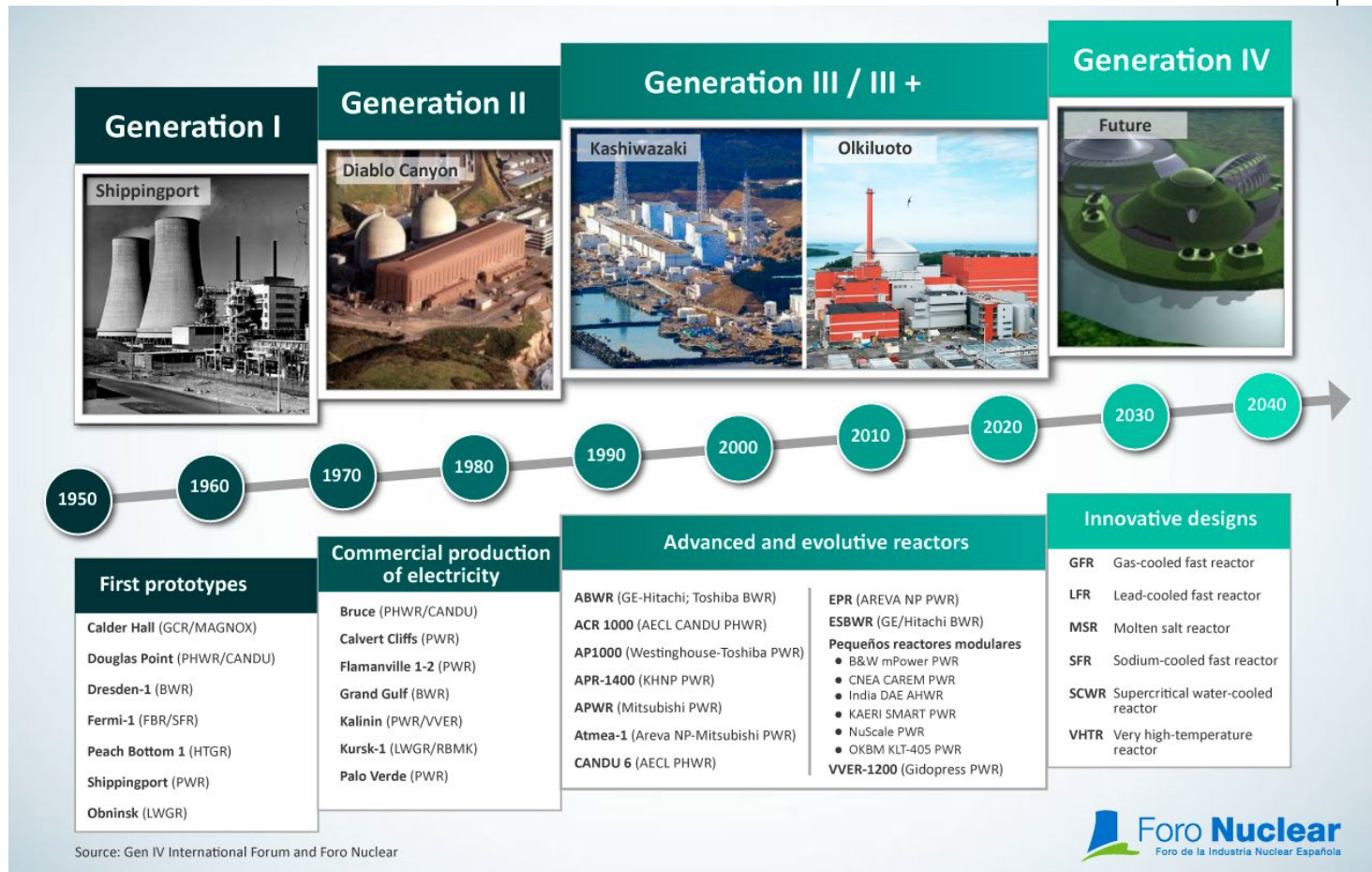


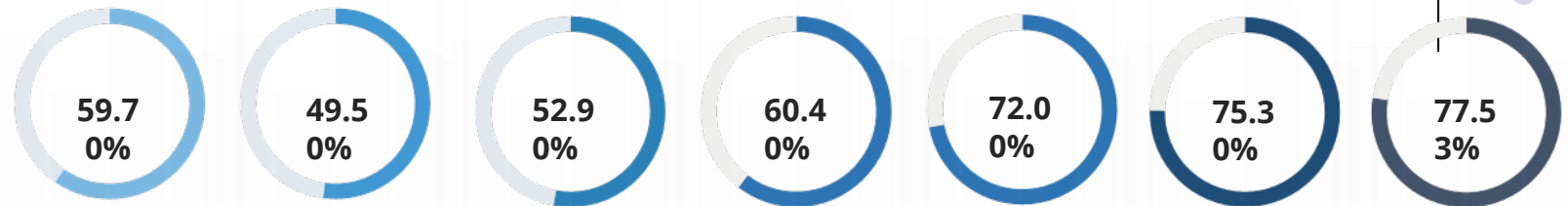
WIND
250,000
ACRES

SOLAR
150,000
ACRES

NUCLEAR
1600
ACRES

NPP Technology Development





2010

2011

2012

2013

2014

2015

2016

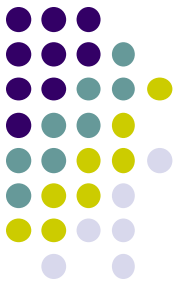
Public Acceptance in Indonesia



Sustainable Energy
Renewable Energy
Friendly Environment
Technology Guarantee



Risk and Safety
High Cost Investment
Geopolitics Resistance
Public Acceptance



THANK YOU
ANY QUESTION?