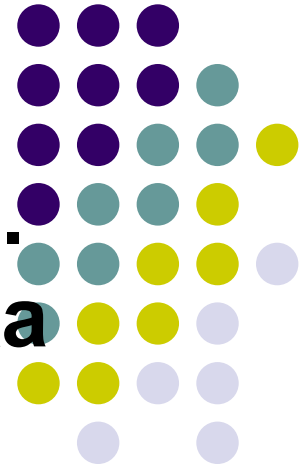
Advance Artificial Intelligence (AIS)



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

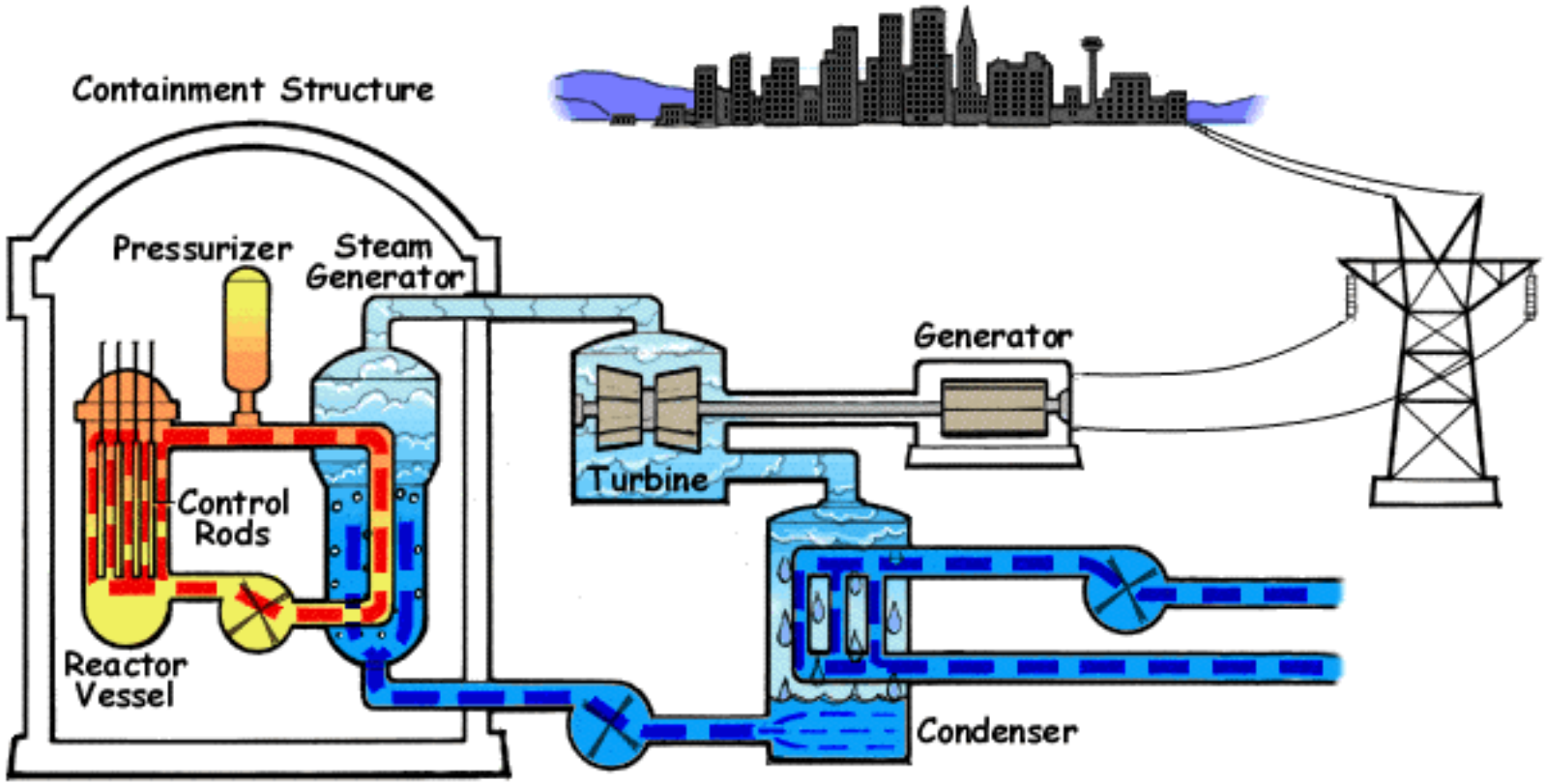
1. To Have A Vision,
2. To Be Focused and Sustain,
3. Be Honest and Always
To Be A Giver and
4. Be Prayed to Allah and Ask
Pray from Your Parents.

Nuclear for Country Prosperity

UNPAM Tangsel, February 2023

Status of NPPs in the Globe

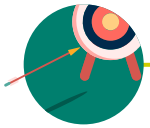
	449 Operation	**398.887** MWe On-power capacity	**52** In-progress construction
USA	96 reactor	97565 MWe	2 reactor
France	58 reactor	63130 MWe	1 reactor
China	48 reactor	44518 MWe	9 reactor
Japan	37 reactor	35947 MWe	2 reactor
Russia	36 reactor	28355 MWe	6 reactor


Containment Structure
Pressurizer
Steam Generator
Control Rods
Reactor Vessel
Turbine
Generator
Condenser

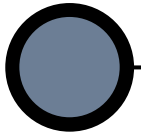
WHY NPP ?

EFFICIENT

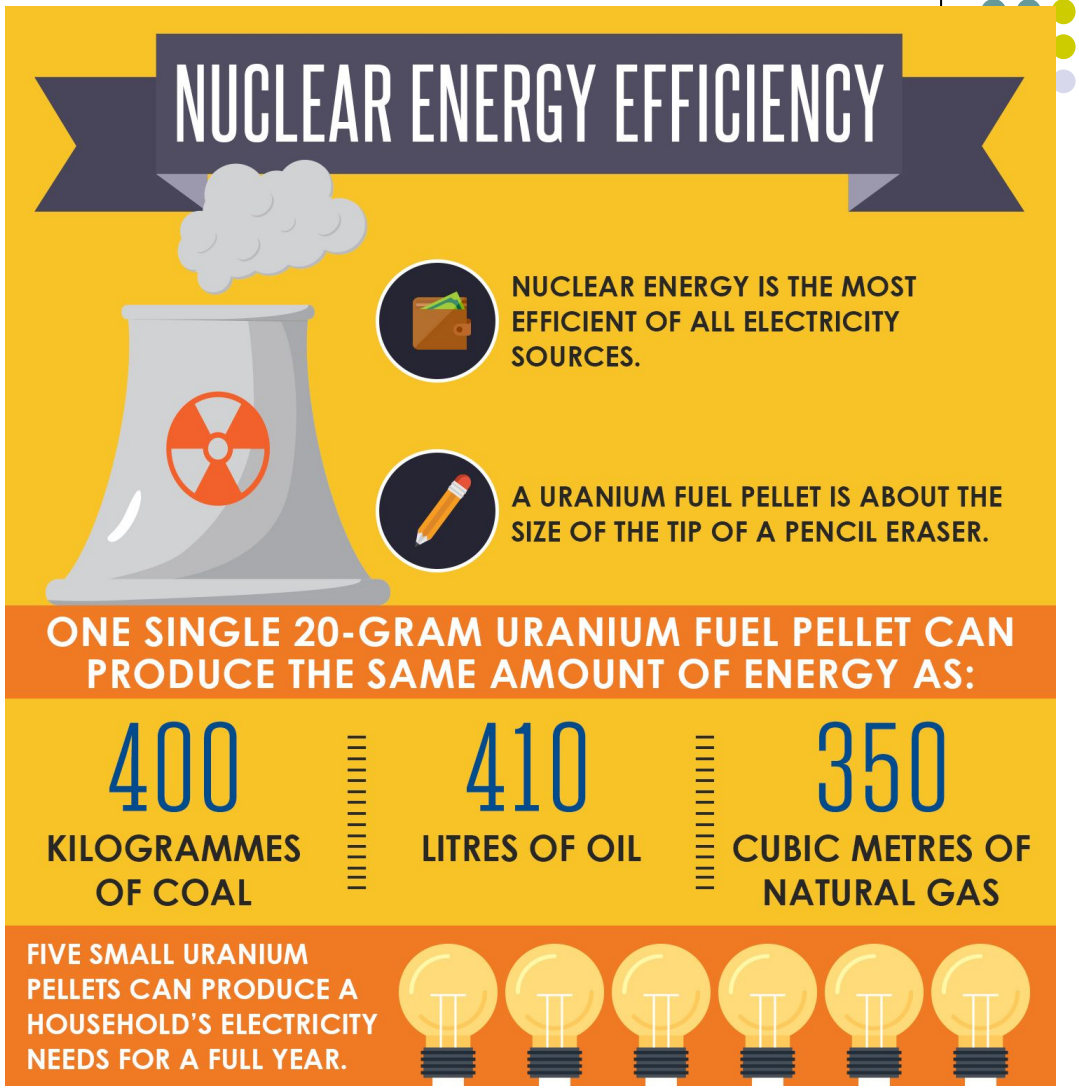
RELIABLE



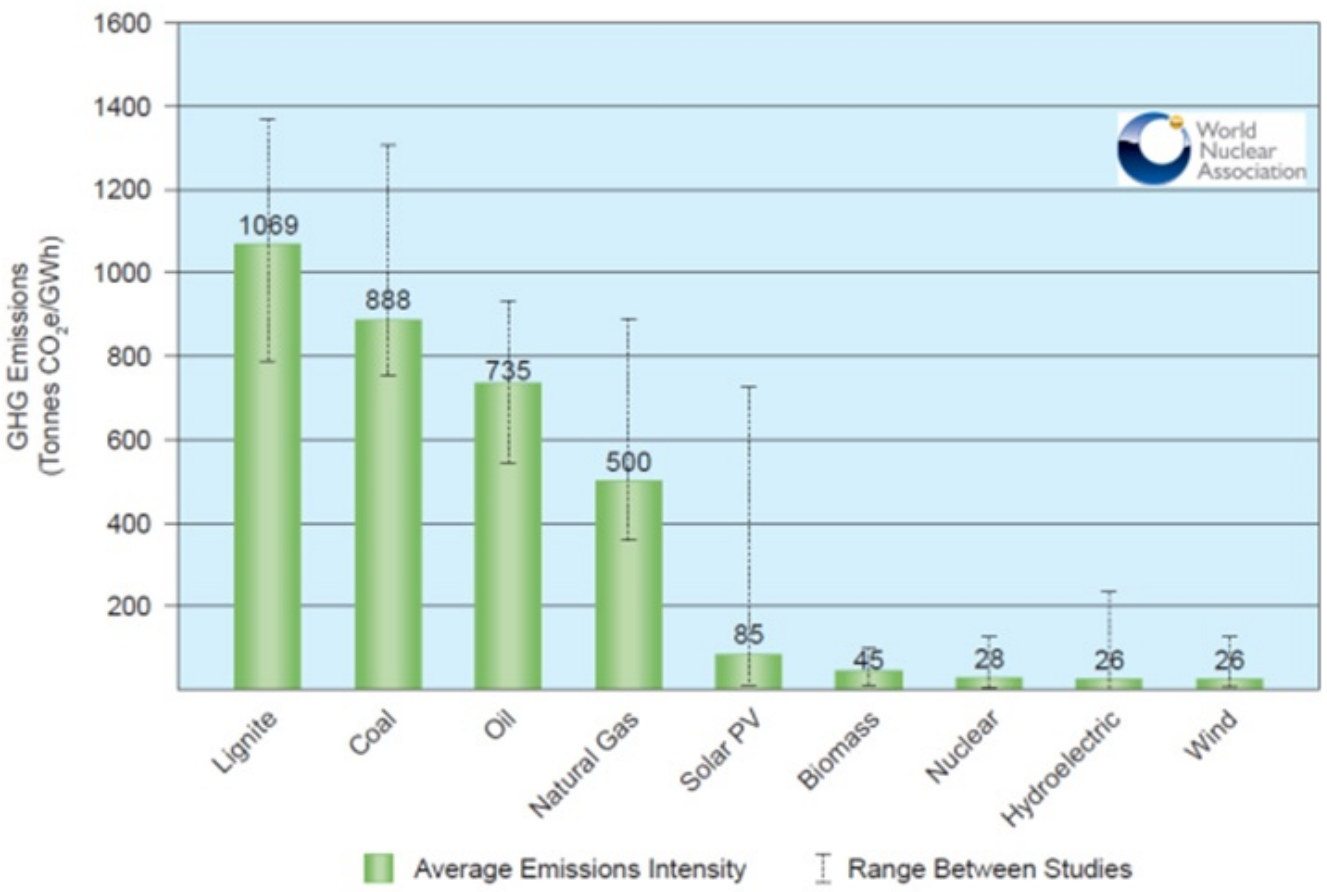
CLEAN



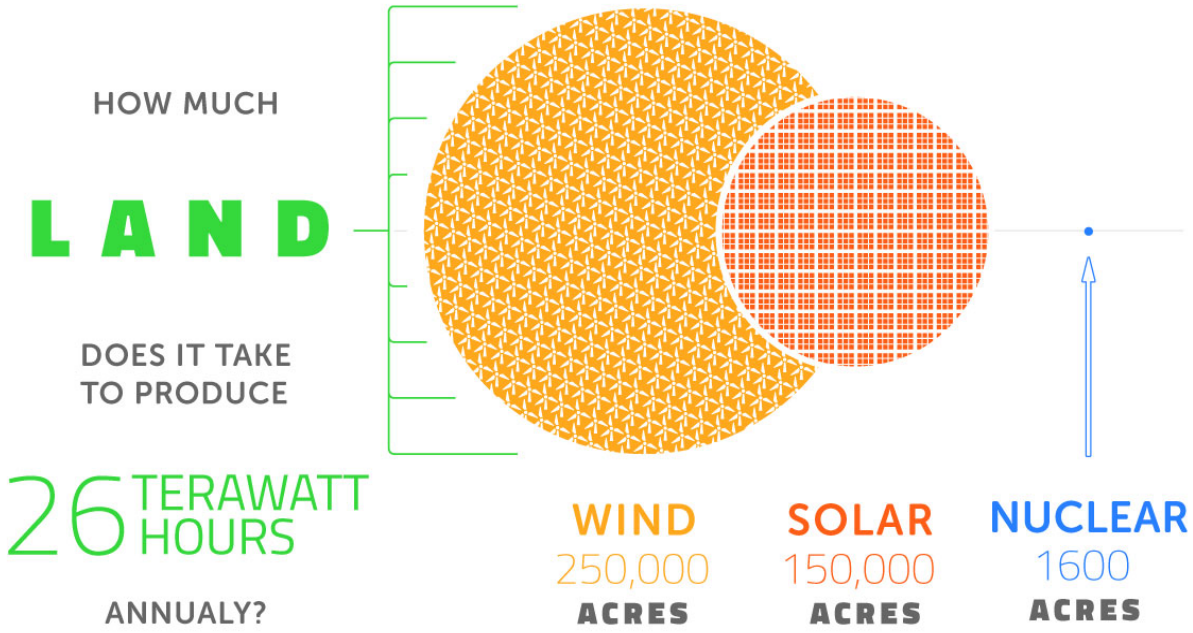
Fuel Comparative



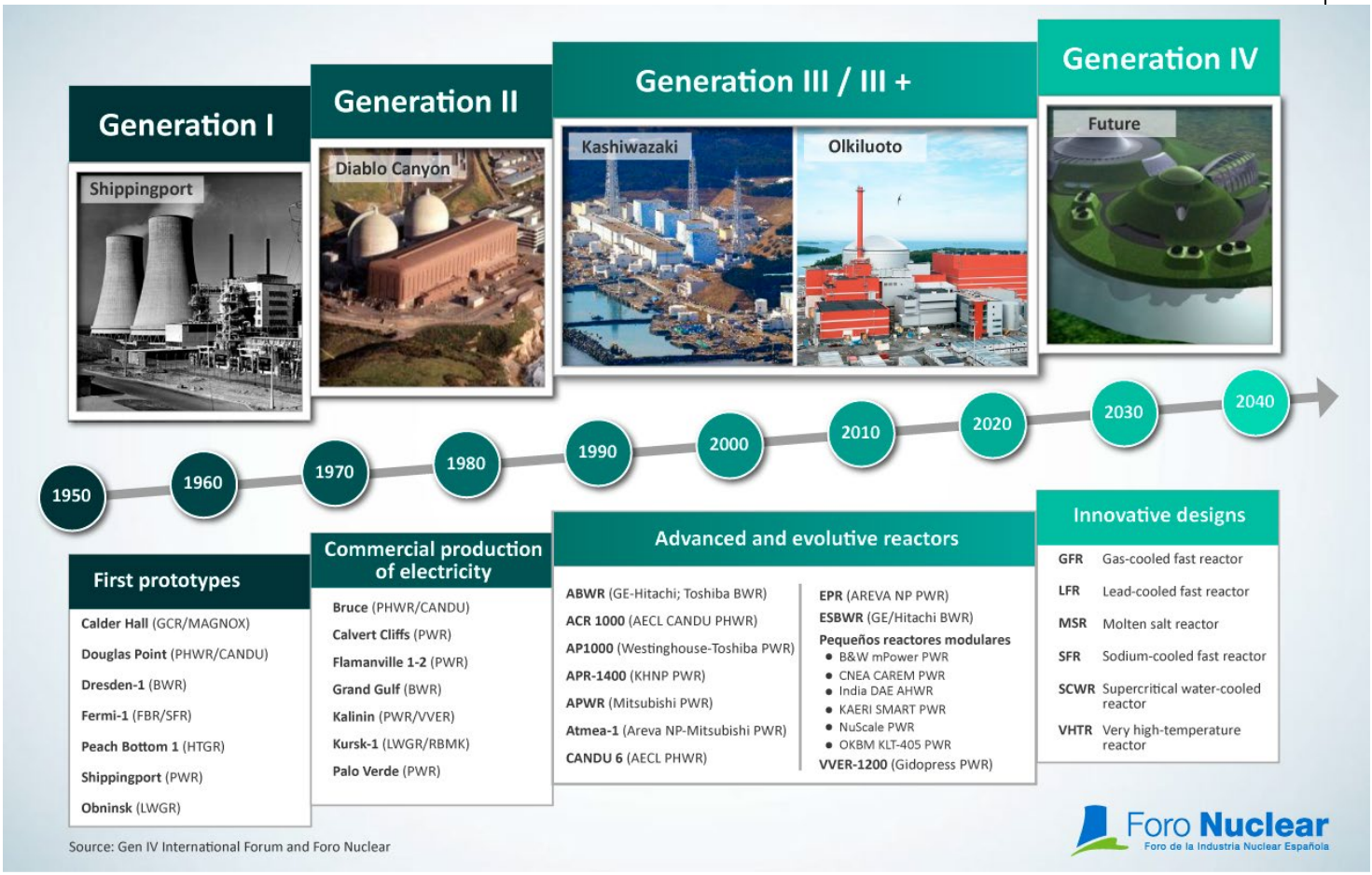
Carbon Emission Comparative

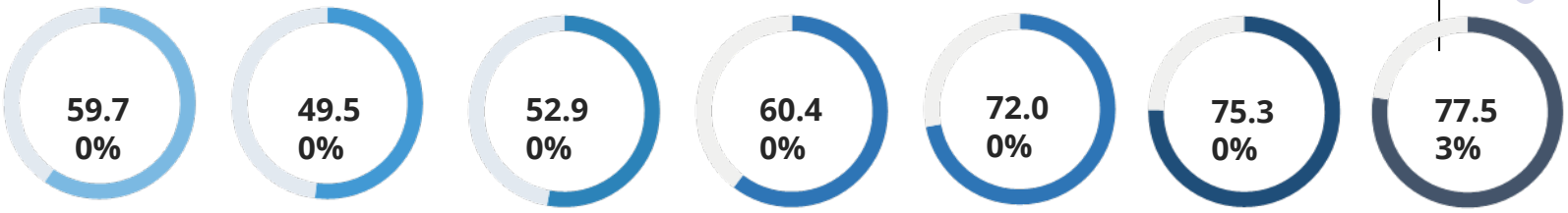


Land Need for Site



NPP Technology Development

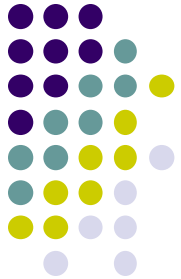




Public Acceptance in Indonesia

Sustainable Energy
Renewable Energy
Friendly Environment
Technology Guarantee

Risk and Safety
High Cost Investment
Geopolitics Resistance
Public Acceptance



THANK YOU
ANY QUESTION?