

SEMINAR & LAUNCHING BIDANG KEAHLIAN BARU REKAYASA DAN MANAJEMEN KESELAMATAN - ITS

“Innovating Safety System for Sustainability”

Dr. Adithya Sudiarno, ST, IPU, IDipNEBOSH, CertIOSH

Sekolah Interdisiplin Manajemen dan Teknologi

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Working Experiences

- Dosen Dept. Teknik dan Sistem Industri/ Program Studi Rekayasa Keselamatan Proses - ITS
- Koordinator Tim Ahli Perumus RSKNNI Ergonomi – PEI, Kemnaker RI
- Anggota Komisi III, Dewan K3 Provinsi Jawa Timur
- Ketua Bidang R&D, Asosiasi Ahli K3 Jawa Timur
- Staff Ahli Indonesian Young Scientist Association (IYSA)

Last Education

- International Diploma for OSH, NEBOSH, Leicester, UK

Certifications

- General OHS Expert
- OHSMS Auditor
- BNSP Assessor of Competency
- Executive Professional Engineer

Awards

- Silver Medal, WWIEA, South Korea, 2018.
- Special Award, APIR (Poland) & TIA (Taiwan) 2019.
- Mención De Honor, EXPOCYTAR, Argentina, 2020.
- Gold Medal, ASIE, Virginia-USA, 2021.
- Silver Medal, KIDE, Kaohsiung-Taiwan, 2021
- Gold Award, EMSI – SMARTi Lab, Republic of Morocco, 2023
- Special Award, Acad. of Princess Chulabhorn SHS, Thailand, 2023
- Platinum Award, WIIPA, 2023

CV

Dr. Adithya Sudiarno, ST, IPU, IDipNEBOSH, CertIOSH, MIIRSM

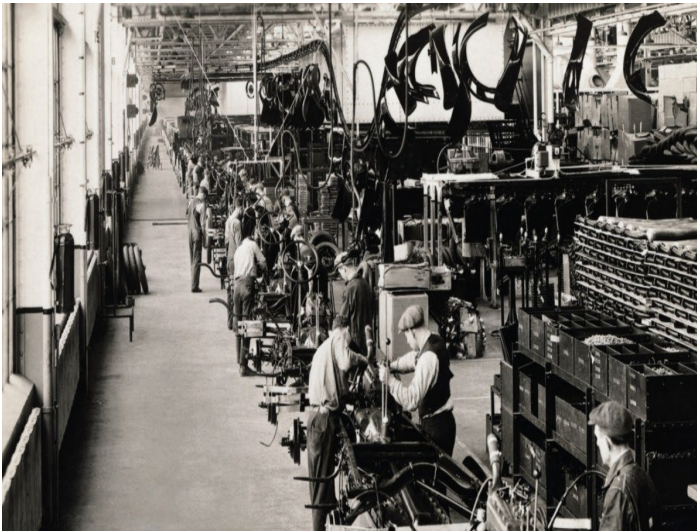
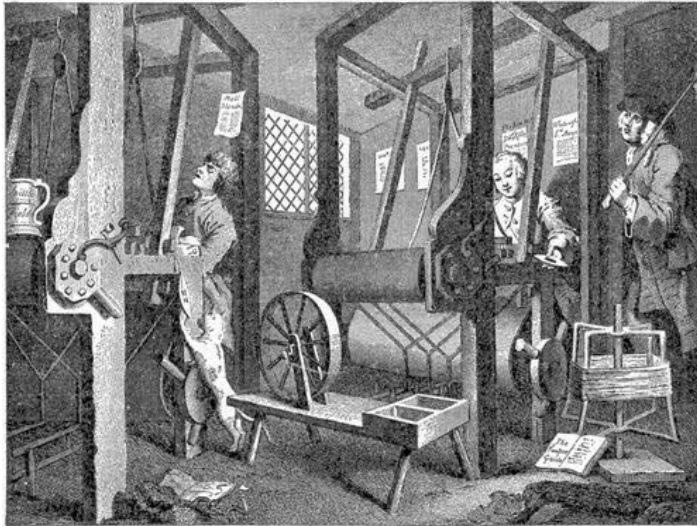
Industrial Partnership Experiences



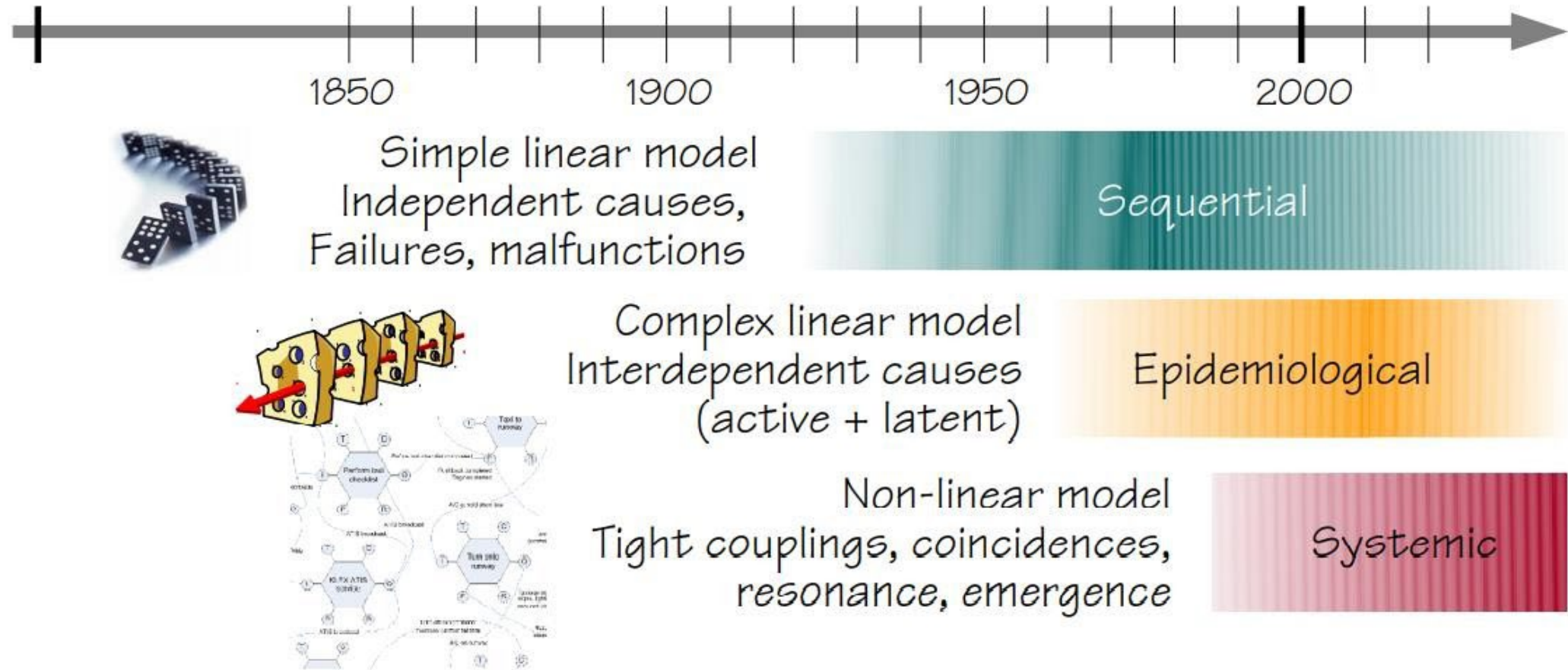
Affiliate Membership



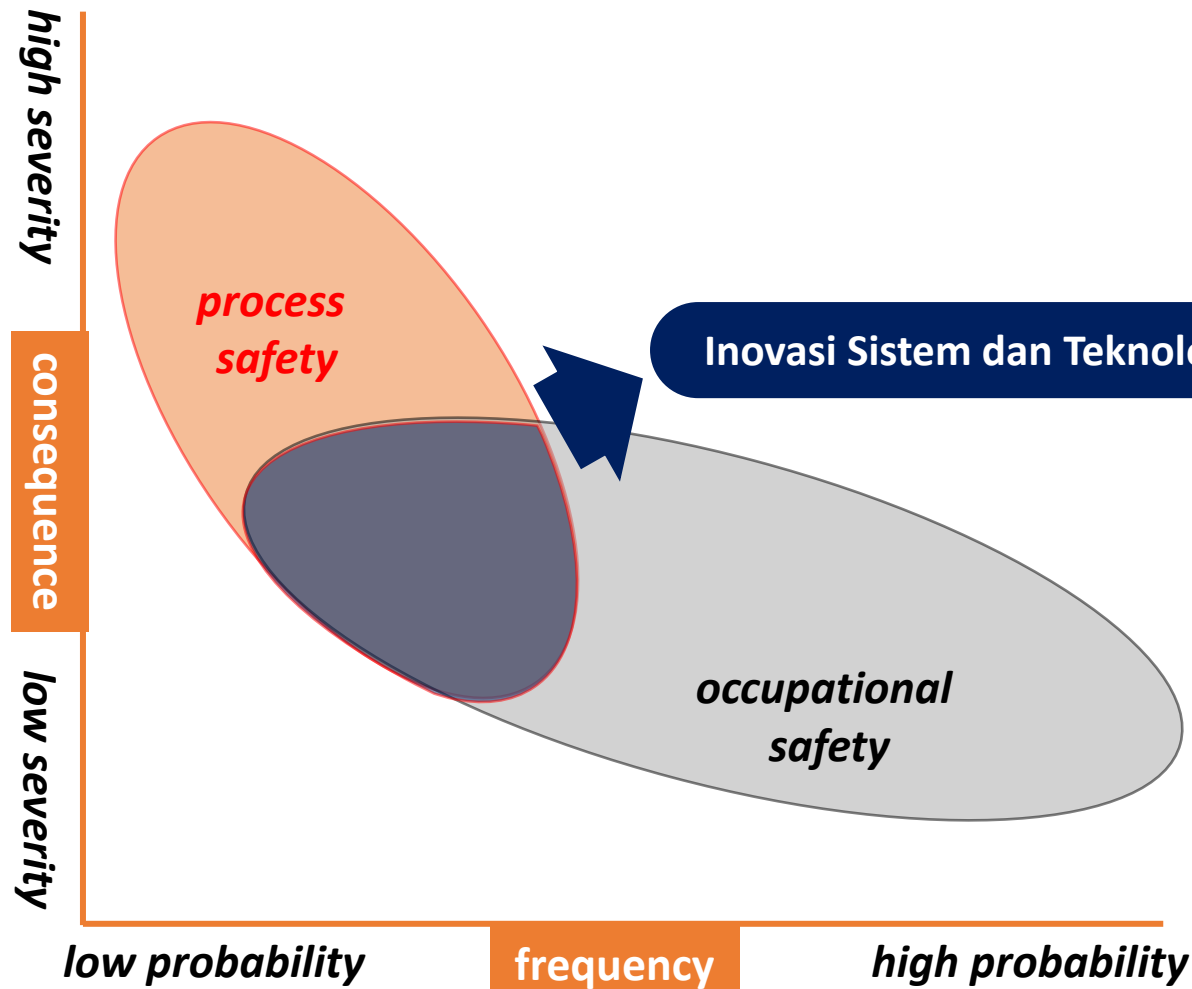
Safety is an Attribute of Work



The Three Ways of Understanding Accidents



Rekayasa dan Manajemen Keselamatan



Inovasi Sistem dan Teknologi

Teknologi Industri 4.0

Man. Teknologi & Inovasi

Design Thinking

Keselamatan Proses

Continuous Safety Improvement

Decision making in RA & Safety

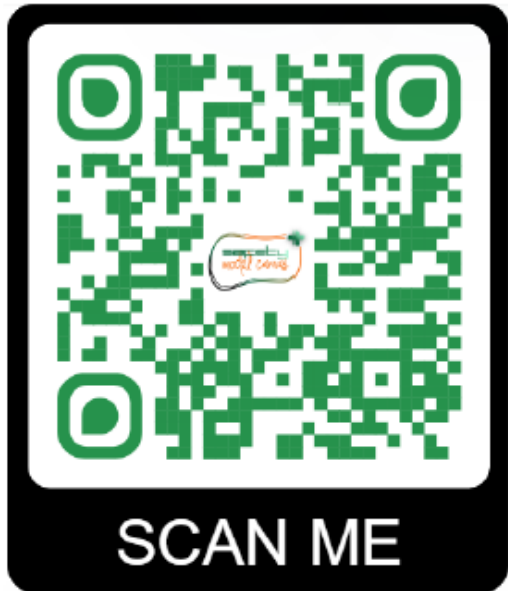
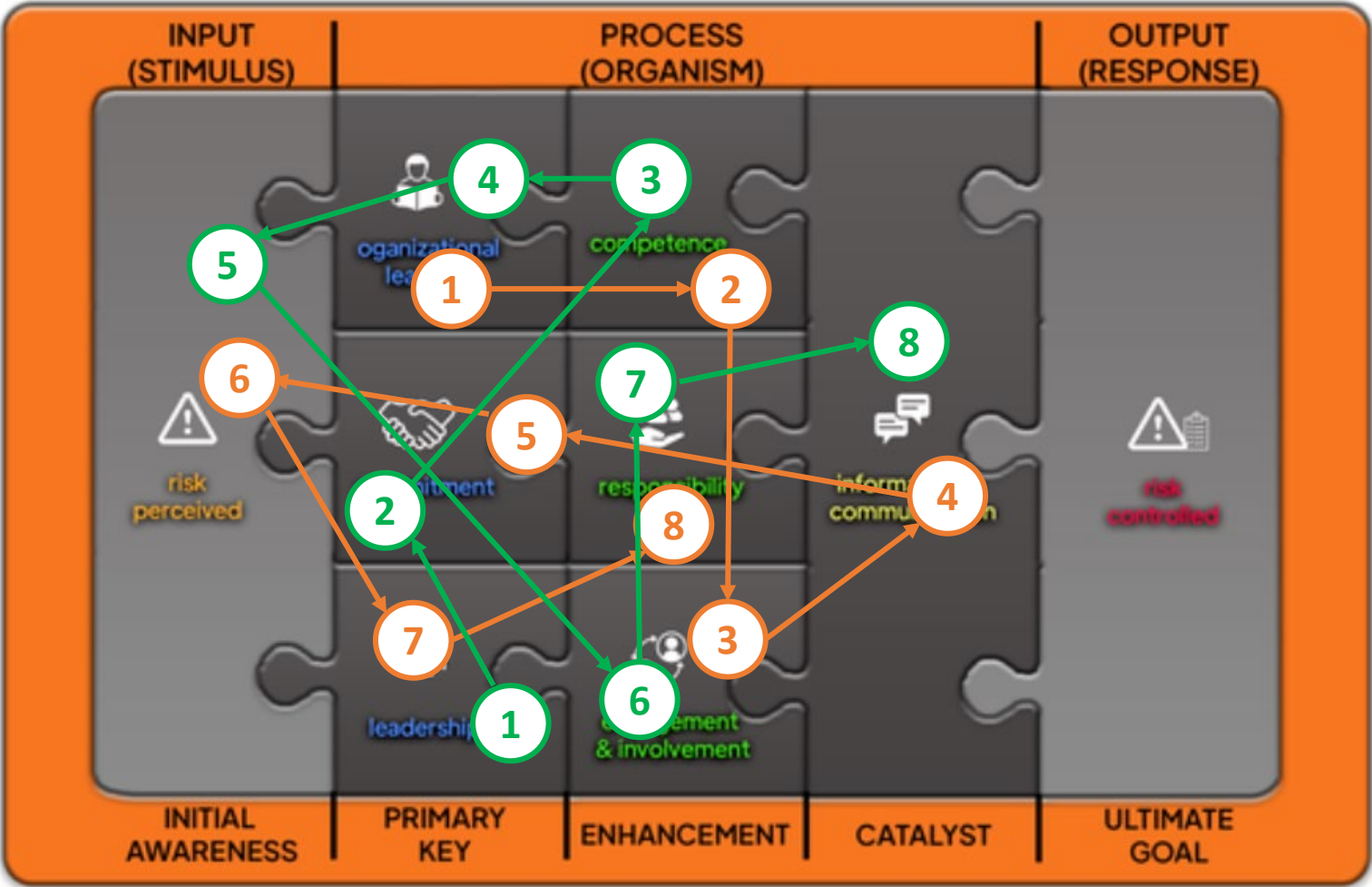
Budaya Inovasi Keselamatan

Berbagai macam MK Penciri Khusus
S2 Rekayasa &
Manajemen Keselamatan

safety model canvass [Continuous Safety Improvement]

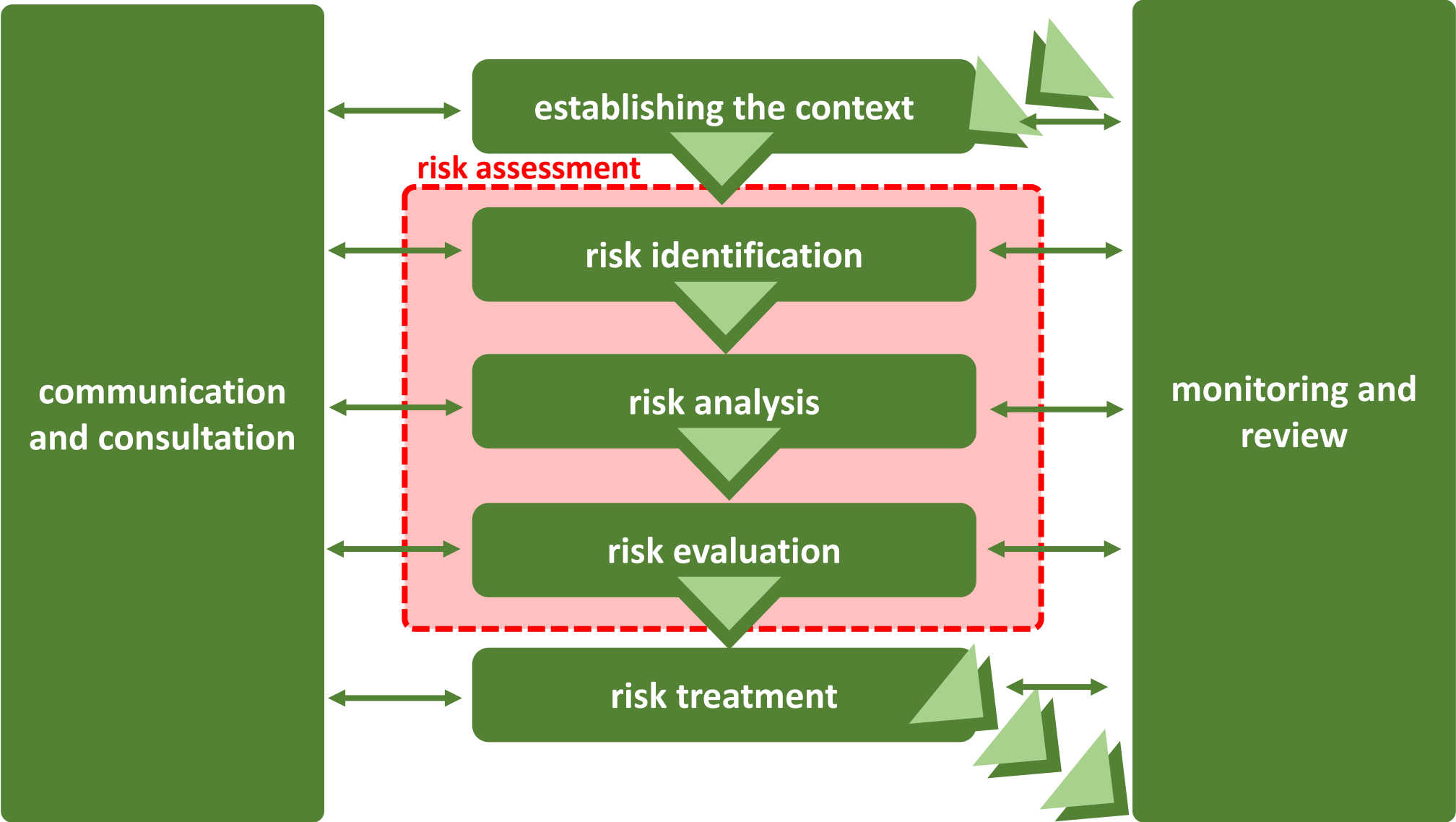


safety model canvass [Continuous Safety Improvement]



<https://bandarsafety.com/smc/>

HORshe [Decision making in RA & Safety]



HORshe [Decision making in RA & Safety]



Version 1.3

- Dashboard**
- My Project**
 - Input
 - Stage 1
 - Pareto
 - Stage 2
 - Stage 3
- About Us

Spreadsheet Application
Registered Copyright
EC00202370046

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Surabaya, East Java, Indonesia

Dashboard Introduction

 HINT
 NEXT



The HORshe (House of Risk for Safety, Health, etc)

is intended to provide a holistic and structured approach to managing the risk of safety and health context. **HORshe** is developed based on the HOR (House of Risk) model created by Pujawan, I. N. & Geraldin, L. H. (2009) for proactive supply chain risk management. The **HORshe** is designed by implementing SHELL model to make it easier to identify risk event that occur in business process. The **HORshe** also applies a hazard control hierarchy to guide the design of alternative preventive actions and is equipped with residual risk estimates. Although **HORshe** is dedicated to safety and health context, it can be use for other cases. It enables organization to identify and manage risk more carefully, effectively, and efficiently.

The Stages

INPUT

>>>

STAGE 1

>>>

PARETO

>>>

STAGE 2

>>>

STAGE 3

optional

DRPM-ITS Research Grants, 2023



Lead
Dr. Adithya Sudiarno,
IDPNEBOSH, MIIRSM.



Ega Rizkiyah,
S.T., M.T.



Dyah Santhi D.,
M.Eng.Sc., Ph.D.



Yudha Andrian
S., S.T., MBA.



M. Bahruddin
Majid, S.T., M.T.



Aldi Yustisio, S.T.



Muhammad
Naufal Fikri



Shafira
Rahmaniar

*All member are affiliated with The Industrial and System Engineering Departement of ITS (Institut Teknologi Sepuluh Nopember)

Our Recognition

Gold Award

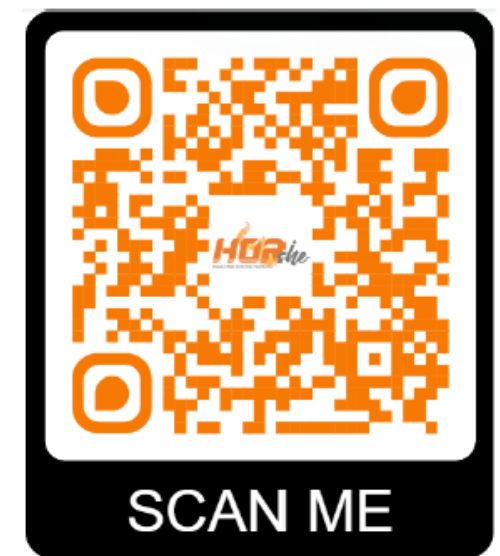
Gold Award

Special Award

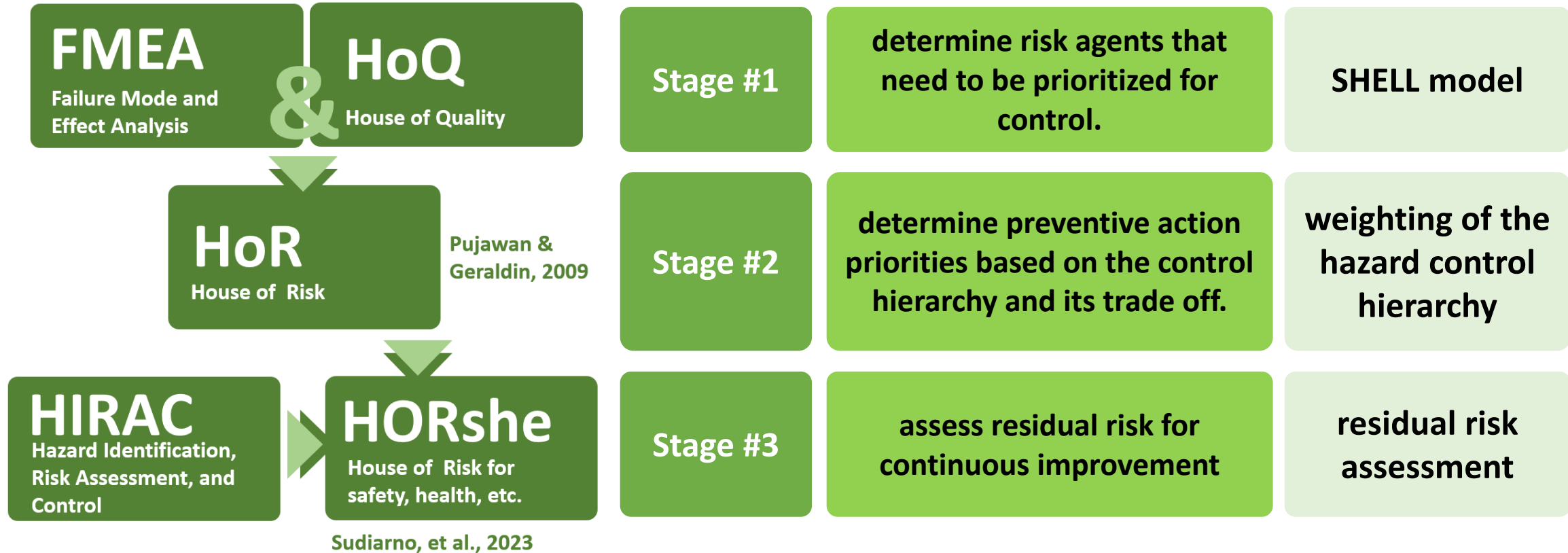
International Competition Indonesia Inventors Day (IID) 2023

from SMARTi Lab & EMSI, The Kingdom of Morocco

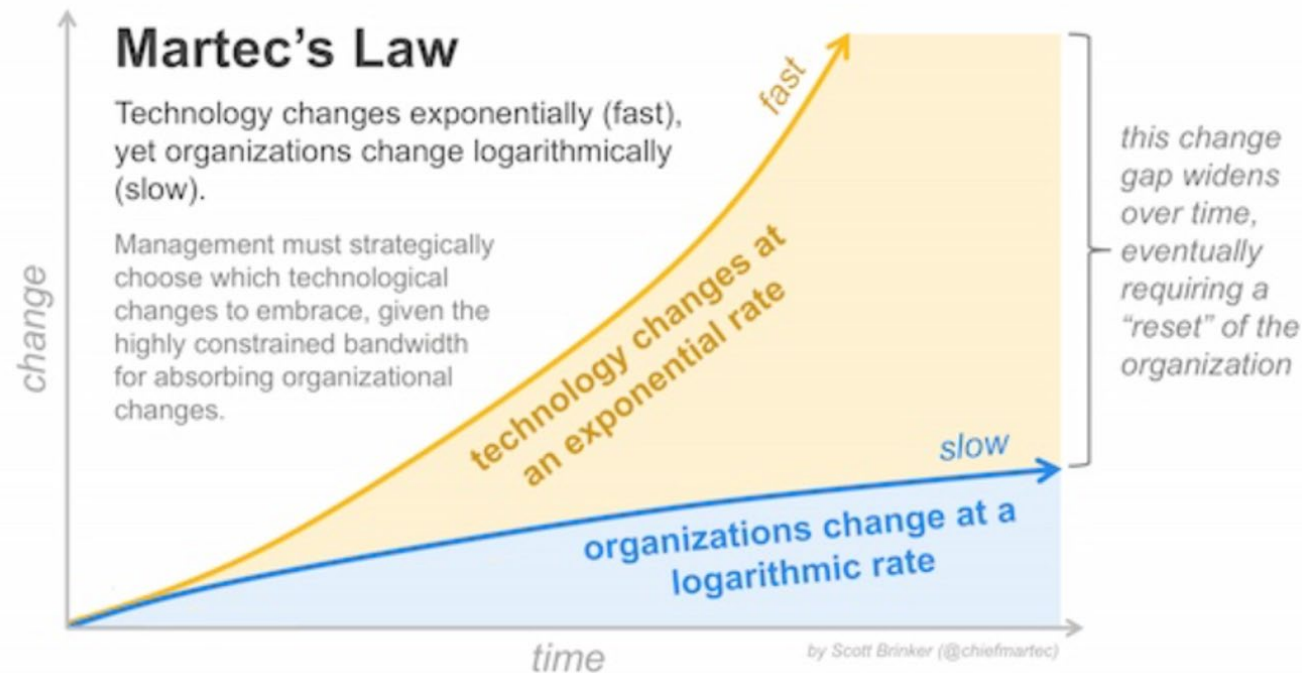
from President of Academy of Princess Chulabhorn Science High School, Thailand



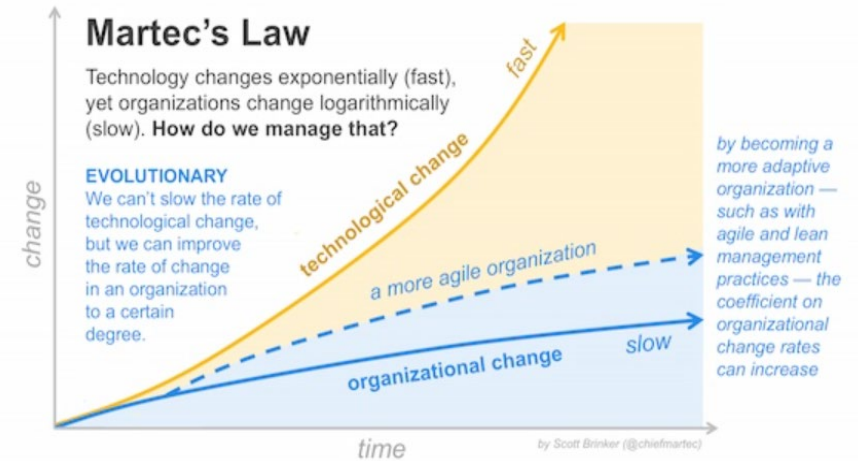
HORshe [Decision making in RA & Safety]



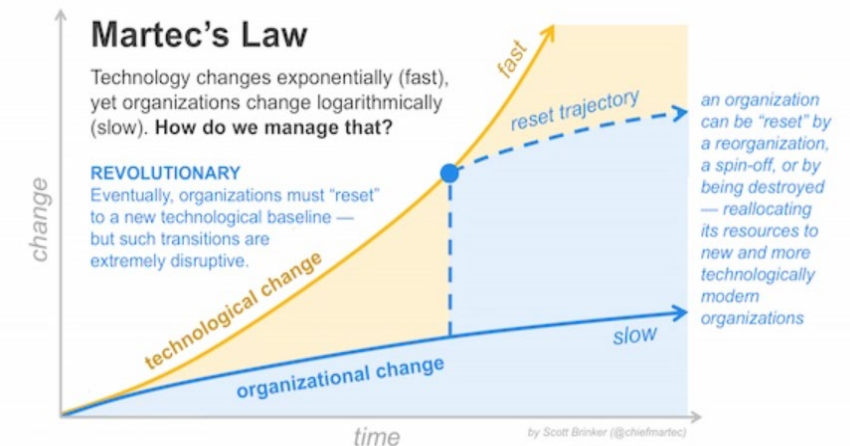
Safety & IoT [Teknologi Industri 4.0]



evolutionary based



revolutionary based



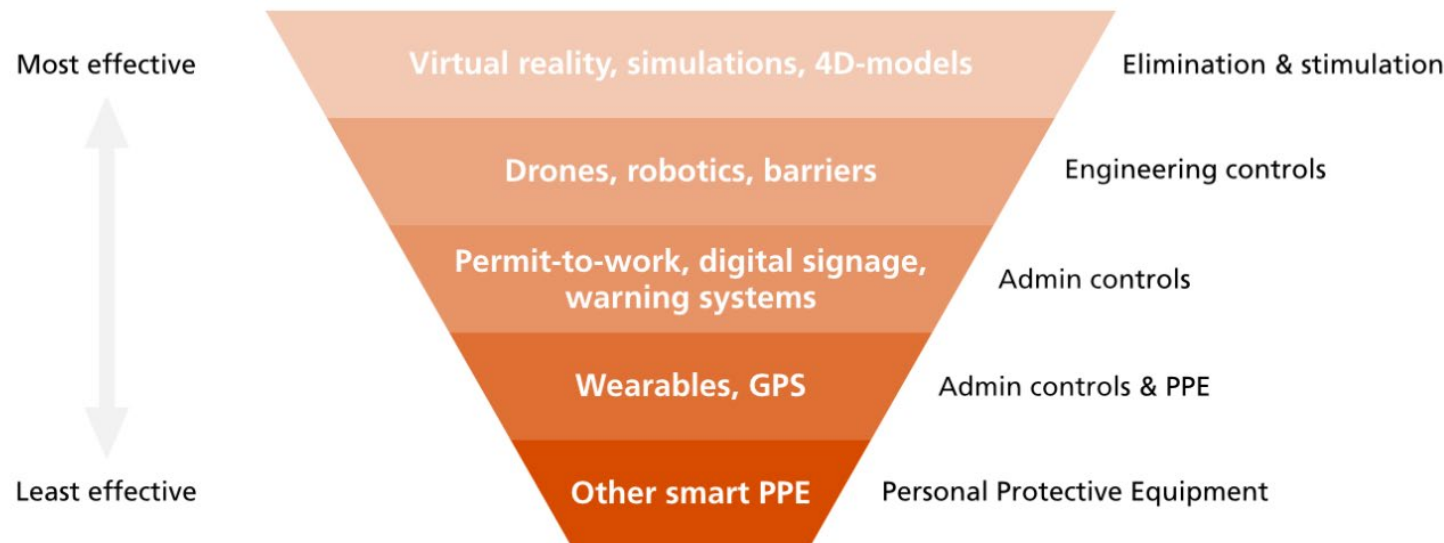
Safety & IoT [Teknologi Industri 4.0]



K3i.Verse



Hierarchy of technology effectiveness



Source: Karakhan, Xu, Nnaji and Alsaffar (2019)

Rekognisi K3i.verse.

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1. Platinum Award from World Invention Intellectual Property Association (WIIPA)
2. Gold Medal from Chair of International Judge of IID (Indonesia Inventors Day) 2023
3. Gold Award from EMSI – SMARTI Lab, Republic of Morocco



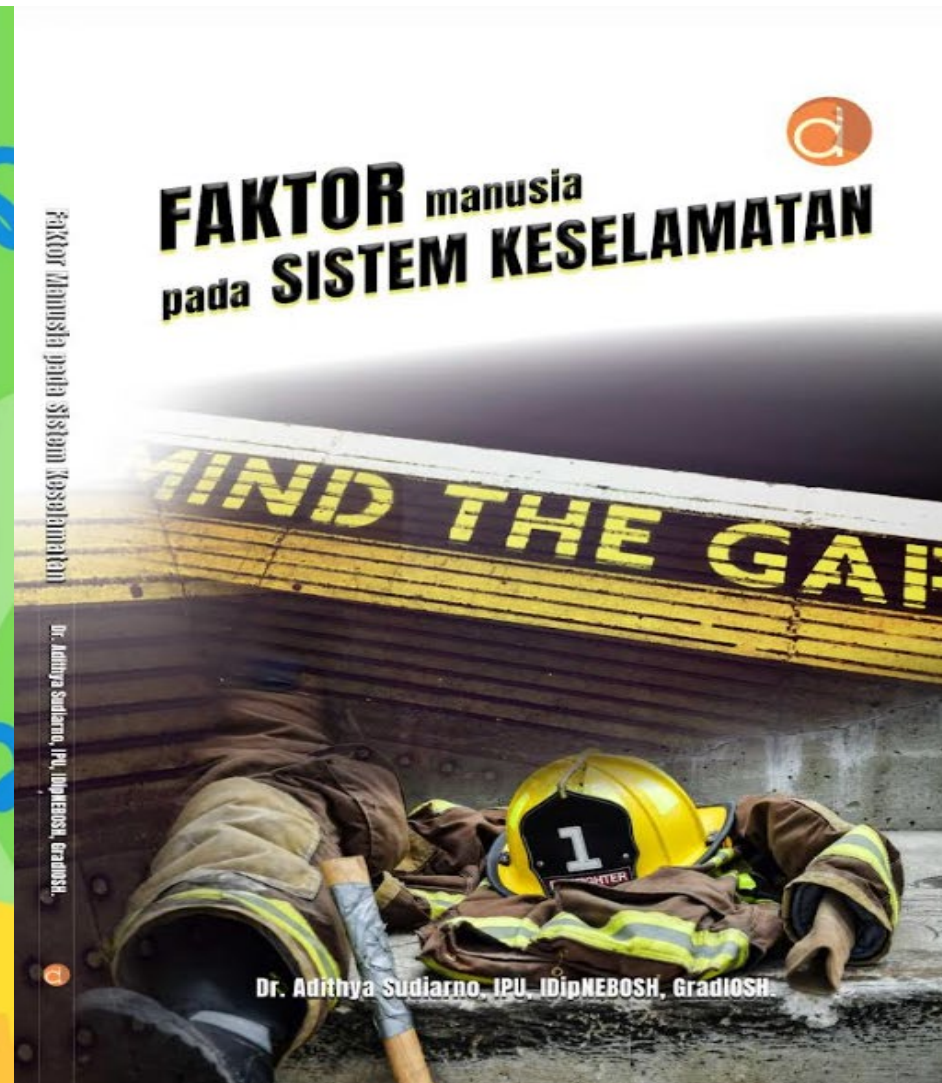
User Interface Kei.verse



Uji Kompetensi pada Kei.verse



Virtual Environment Terminal



Bunga indah, bunga seroja...
Bunga melati berjumlah lima...
Keselamatan kerja...
Sudah seharusnya menjadi poin yang utama...

THANK YOU

...



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