

Developing Quality Higher Education for Digital Generation: A marathon race

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Prologue



LeadershipQuote.org

Marathon race



Commitment, Persistence, Endurance

The fast advancing world



- ▶ Competition between human and machines
 - ▶ Machine learn best from bigdata
- ▶ Workplaces
 - ▶ Disappearing jobs
 - ▶ Emerging jobs
 - ▶ Same but requires completely different skills set
- ▶ Digital generations
 - ▶ Digital natives or synchronous
 - ▶ Differences in processing information, communicate, and approach to learning



TEN SKILLS FOR THE FUTURE WORKFORCE



1 SENSE-MAKING

DEFINITION: *ability to determine the deeper meaning or significance of what is being expressed*



3 NOVEL & ADAPTIVE THINKING

DEFINITION: *proficiency at thinking and coming up with solutions and responses beyond that which is rote or rule-based*



5 COMPUTATIONAL THINKING

DEFINITION: *ability to translate vast amounts of data into abstract concepts and to understand data-based reasoning*



7 TRANSDISCIPLINARITY

DEFINITION: *literacy in and ability to understand concepts across multiple disciplines*



9 COGNITIVE LOAD MANAGEMENT

DEFINITION: *ability to discriminate and filter information for importance, and to understand how to maximize cognitive functioning using a variety of tools and techniques*



2 SOCIAL INTELLIGENCE

DEFINITION: *ability to connect to others in a deep and direct way, to sense and stimulate reactions and desired interactions*



4 CROSS-CULTURAL COMPETENCY

DEFINITION: *ability to operate in different cultural settings*



6 NEW-MEDIA LITERACY

DEFINITION: *ability to critically assess and develop content that uses new media forms, and to leverage these media for persuasive communication*



8 DESIGN MINDSET

DEFINITION: *ability to represent and develop tasks and work processes for desired outcomes*



10 VIRTUAL COLLABORATION

DEFINITION: *ability to work productively, drive engagement, and demonstrate presence as a member of a virtual team.*

Development trends in HE

- ▶ Integration of social skills + new literacies (data, technology, human)
 - ▶ People skills: communication, endurance, leadership, curiosity, comprehension
 - ▶ Foundation: math, data science, programming
- ▶ Students demography
 - ▶ Degree vs training, on vs off campus, full vs part-timers
- ▶ Education model:
 - ▶ From front-loading to just-in-time
- ▶ Third mission for legitimacy
 - ▶ Roles in the society

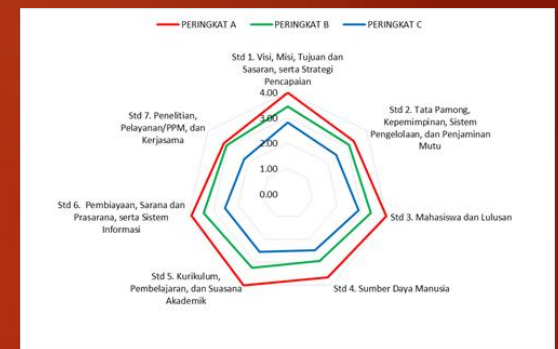
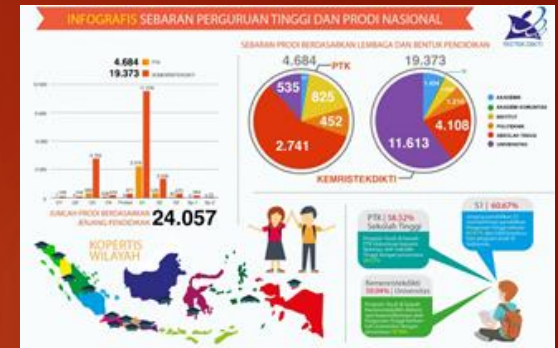
Trends in Quality of HE

- ▶ Defining quality
 - ▶ Which stakeholders? Which standards?
- ▶ Attesting quality = shooting a moving target
 - ▶ Journey in an uncertain trajectory
- ▶ Quality framework, principles/standards and guidelines
 - ▶ Global or regional requirement: AQAF, ESG, GGP
- ▶ From quality assurance to quality enhancement
 - ▶ Corrective actions even when the standards are met
- ▶ Internal Quality Assurance
 - ▶ Towards principles-based quality improvement → Quality Culture



HE Sector in Indonesia – Key challenges

- ▶ Gigantic size and geographical spreads
 - ▶ Mostly small; focus on teaching;
- ▶ Severe disparities with major shortcomings in
 - ▶ Faculties, research & services, internal management
- ▶ Lack of autonomy & accountability
 - ▶ Over-regulated system
 - ▶ Vertical accountability



Development strategies: macro level

- ▶ Institutional Autonomy
 - ▶ Pre-requisite for quality (Magna charta universitatum)
 - ▶ Greater public accountability
- ▶ Apex model
 - ▶ Select few strong institutions
 - ▶ Differentiated mission

Development strategies: HEI's level

- ▶ Holistic development model
- ▶ Collaborative Innovation
- ▶ Institutional setting

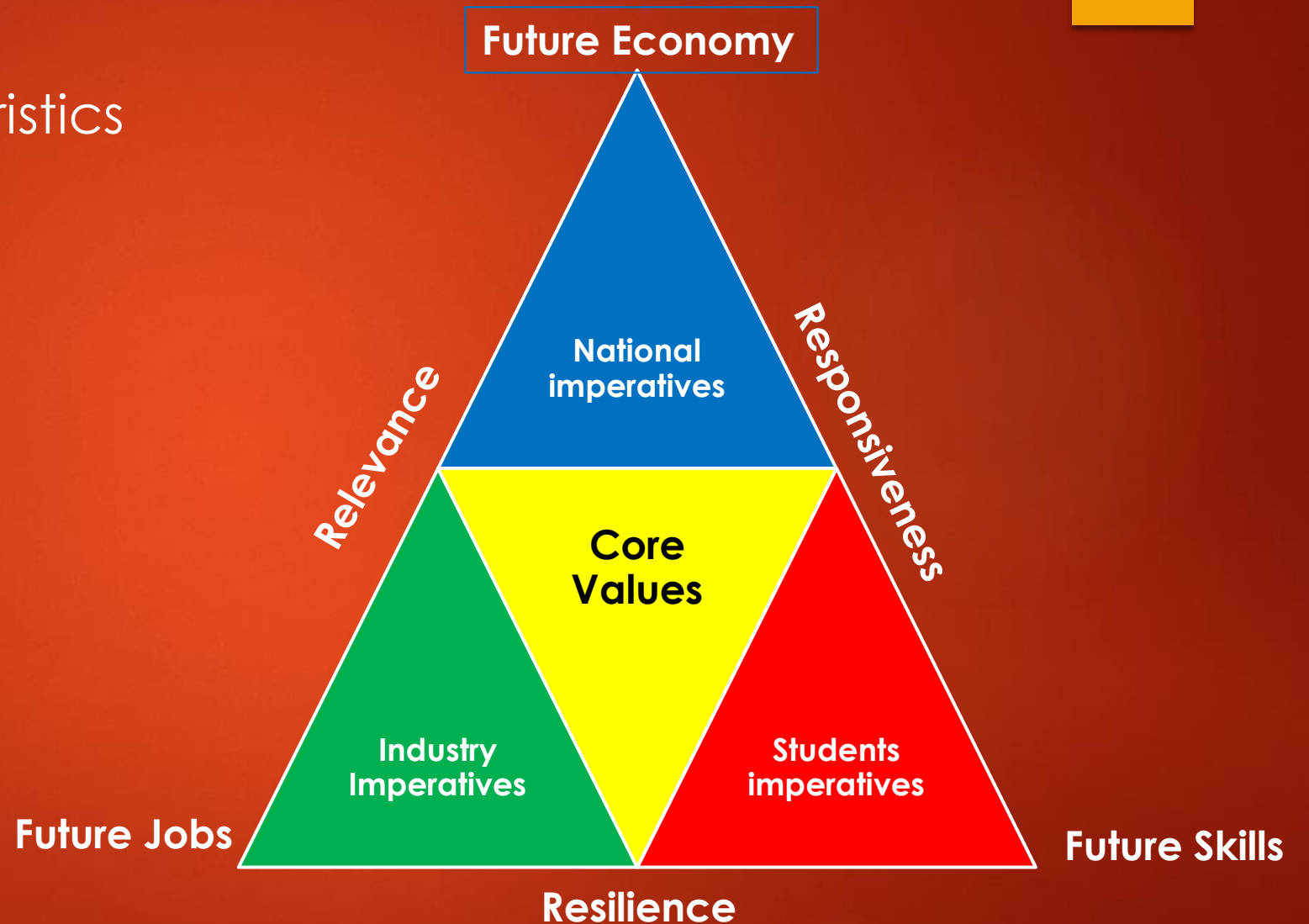
Holistic Learning Model

Learning characteristics

- ▶ Hands-On
- ▶ Mind-On
- ▶ Heart-On

Approaches

- ▶ High-tech
- ▶ High-touch
- ▶ High-trust



Collaborative innovation

- ▶ Crowd - x
 - ▶ Crowd funding, crowd sourcing, crowd workers
 - ▶ Crowd educating? (why not)
- ▶ Access to quality resources
 - ▶ On mutual-benefit basis (win-win)
- ▶ Key determinant – trust
 - ▶ Conducive platform

Institutional setting

- ▶ Good University Governance
 - ▶ Balancing autonomy and public accountability
 - ▶ Adherence to GUG principles
- ▶ Agility
 - ▶ Easily adaptable to changes
- ▶ Good Management Practices
 - ▶ Premium services
 - ▶ Faculties as primary assets

Attributes to Quality HEIs

- ▶ Innovative and far forward looking institutional setting
- ▶ Multi and inter-disciplinary programmes
- ▶ International faculties and students



Closing remarks

- ▶ To stay relevant, substantial changes are mandatory
- ▶ Culture of quality requires a fertile environment to grow
 - ▶ Institutionalized and internalized
- ▶ Developing quality HE is a marathon race



Competition is the law of the
jungle, but cooperation is the
law of civilization

~ Peter Kropotkin

Thank
you

