TIK VERSUS BIOLOGI KOMUNIKASI

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PERSONAL SYSTEM

- MUATAN MEKANIS JARINGAN
- MUATAN BIOLOGIS
- MUATAN MENTAL
- MANAJERIAL

INTERMEDIATE SYSTEM

- SBJJ/PJJ
- VIRTUAL LEARNING
- E-LEARNING
- OPEN DISTANCE LEARNING

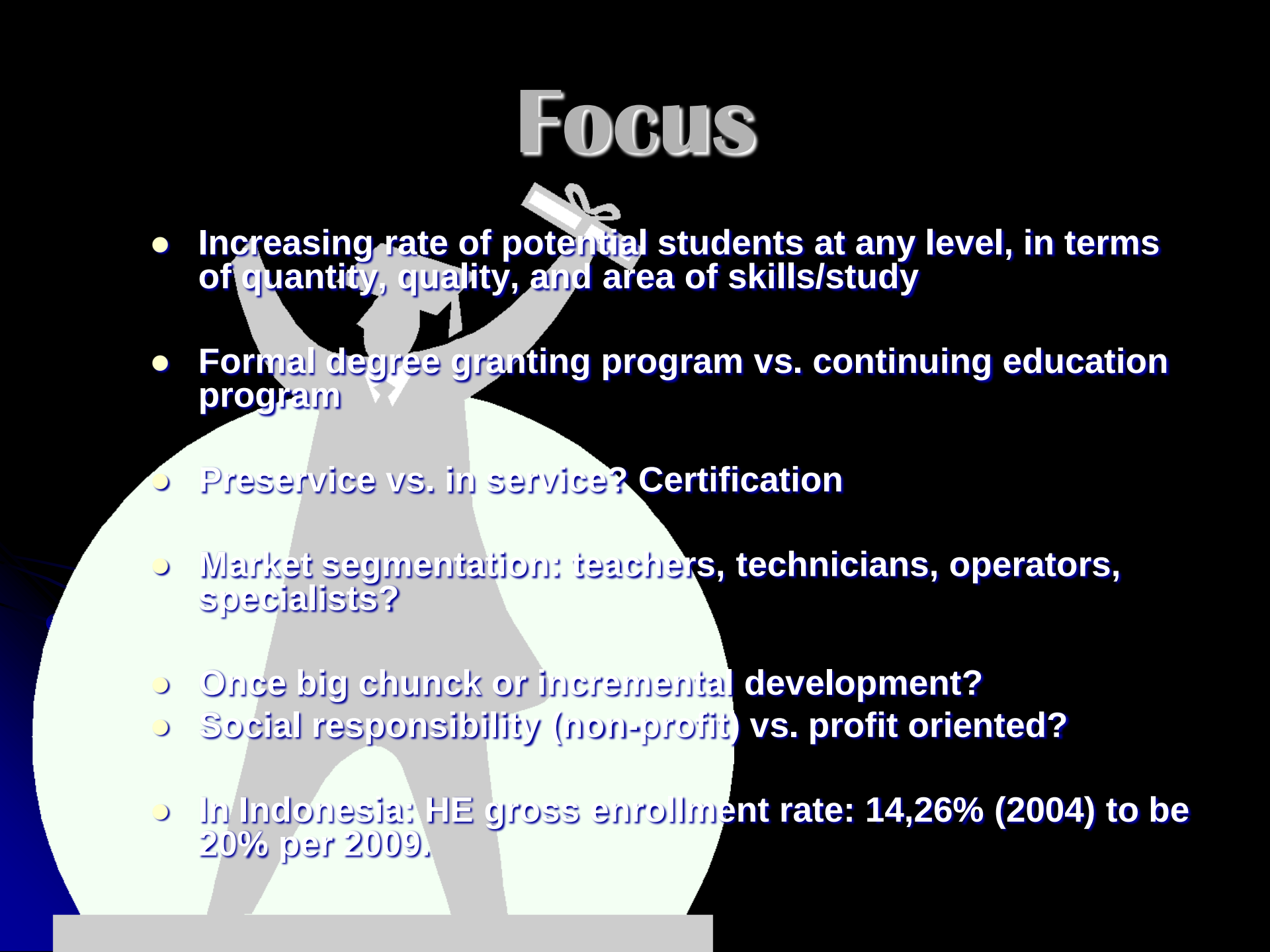
INSTITUTIONAL SISTEM

- WAN –JARDIKNAS
- LAN -
- MAN- Community Education Network
- Community Acces Point

6 Factors Model

- Focus
- Curriculum
- Economics
- Instructional Materials and Copyright issues
- Quality Assurance
- Partnership and Networking

Focus



- Increasing rate of potential students at any level, in terms of quantity, quality, and area of skills/study
- Formal degree granting program vs. continuing education program
- Preservice vs. in service? Certification
- Market segmentation: teachers, technicians, operators, specialists?
- Once big chunck or incremental development?
- Social responsibility (non-profit) vs. profit oriented?
- In Indonesia: HE gross enrollment rate: 14,26% (2004) to be 20% per 2009.

Curriculum

"…in a world that is shrinking as it is globalizing university, curriculum cannot limit its vision to the university paradigm alone. It has to respond to national as well as global needs"

- Insan Indonesia Cerdas dan Kompetitif
- Academic rigor vs. market/custom oriented?
- Flexible learning vs. subject matter structure?
- Four Pillars of Learning:

  Learning to know, learning to do, learning to be, learning to live together.
- Added value of academic programs?

Economics

- Profit vs non-profit
- Conditions for cost effective program?
- Cost variable to be considered (comprehensiveness of ICT-based ODL component for quality learning vs minimal requirement of ICT-based ODL?)
- Economies of scale vs price for quality?
- ICT-based ODL vs. traditional multi media ODL?

Instructional Materials and Copyright issues

- What medium is used for instructional materials?
- What is the function of instructional materials in learning process? Main information of subject matter? Supplement? Drill and Practice? Enhancement? Remedial?
- Course Team Approach vs. Single writer?
- Who own the course and the materials? University? Course Team? Individual Writer?
- Plagiarism issues of internet learning object?
- Buying or developing on its own?

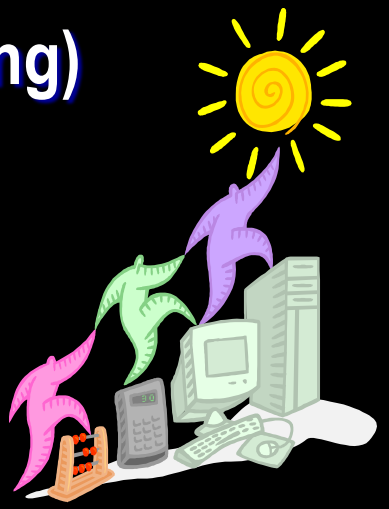
Quality Assurance

"… while ICT advances have led to the exponential rise in ODL offerings, many institutions are launching new distance programs often without the necessary experience to guide their success".

- Minimal requirement?
- Is learning taking place?
- What are the success indicators?

Partnership and Networking

- Economics reasons: shareable objects, facilities, services
- Cost sharing
- Risk sharing (union)
- Sharing of resource persons (outsourcing)
- Sustainability?



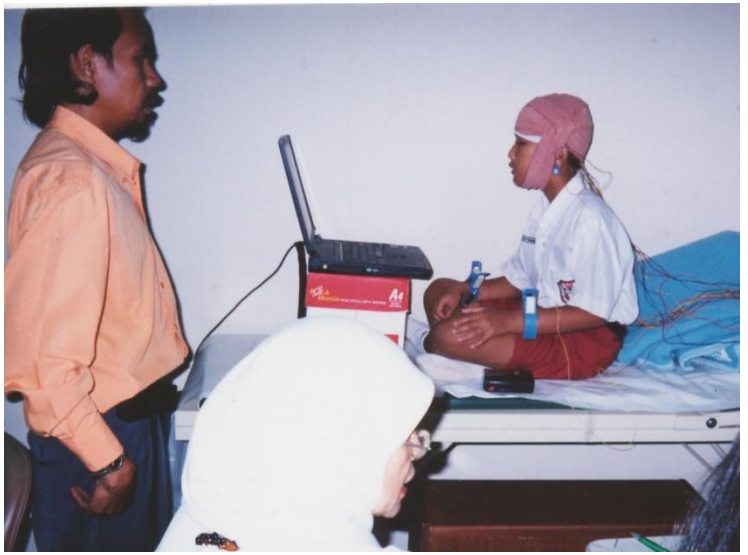
Check Point

- What is the contribution of ODL to the community?
- Can conventional university turn into ODL implementor?
- Is learning taking place within the process of open and distance learning or flexible learning system?

Dhanarajan (2006):

> ***…the adoption of ODL does not merely add something, it changes everything. The new system usually makes war against the old existing system. It competes with for time, attention, money, prestige, and a worldview.***

BIO-TIK PEMBELAJARAN



Tim Dokter sedang mengamati dan membaca proses rekaman pada peserta didik jenjnag SMA

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