

INHERENT

Indonesia-**H**igher **E**ducation **N**etwork

Development Programs and
Utilization

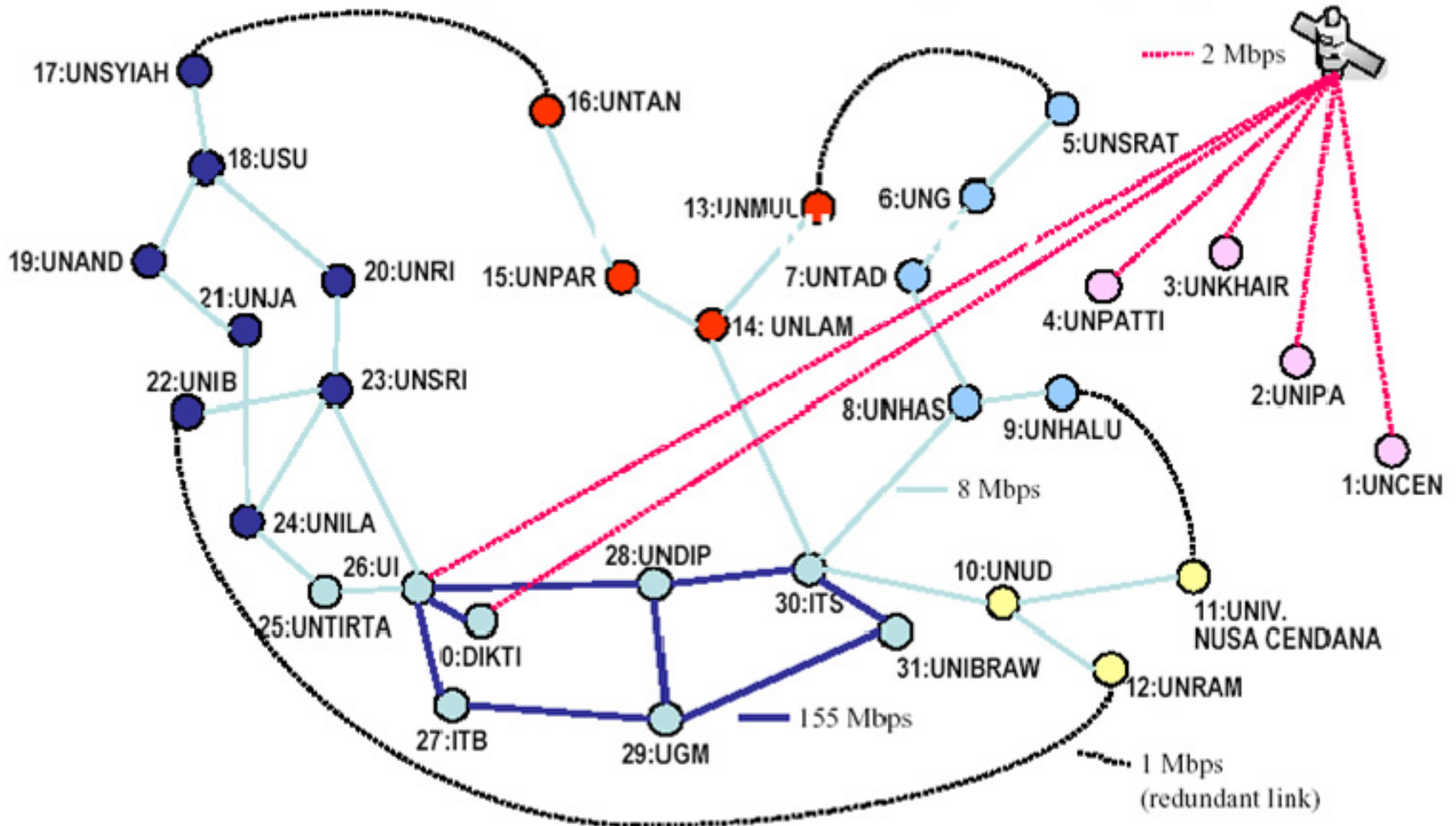
Prof. Chan Basaruddin - 2008

Fact Sheet-2008

- Nodes connected:
 - 82 Public HEIs (32 HEIs are appointed as Local Nodes)
 - 140 Private HEIs
 - 12 Regional Office of Coordinator for private HEIs
 - Seamolec
- Bandwidth capacity
 - Advance: 30 Mbps (was 155 Mbps)
 - Medium: 8 Mbps
 - Basic: 2 Mbps
 - Self-funding: (leased line 512 – 1 M; wireless 11-55 M)
- A scale-free network configuration

Topology

Konfigurasi Akhir 2006 (32 simpul)



Objective

- Direct
 - Establish national ICT backbone for Indonesian higher education institutions
- Eventual
 - Improve quality of and access to Indonesian higher education through the provision of ICT

Utilization

- Coordination: Dissemination of programs and policies, conference/seminar; e.g. coffee morning
- Tele-teaching: broadcasted live lecture from PT providers; e.g. Tele-surgery FKUI
- E-learning: Learning resource sharing amongst HEIs; e.g. PJJ-PGSD
- E-library: sharing digital resources PT; Unair-lib
- Grid-computing: sharing computing resources

Development Programs

- Content Development:
 - On-line courses or training materials
 - E-learning activities
- Sharing of computing resources
 - Grid-computing, storage, etc.
- Sharing of lab resources
 - Remote-laboratory, v-lab
- Application system development
 - Management support, learning support, etc.

Development Targets

- Expansion
 - Increment of 100 nodes per year
 - Connection to overseas REN
- ICT-facilitated-learning (ODL)
 - Number of on-line course offering
 - Number of registered students e-learning
- Capacity development
 - Number of HEIs as content providers
 - Number of research collaboration between HEI

Program 2008

- Evaluasi hibah 2007: 751 juta
 - Site-visit utk sample grantees
 - Presentasi/Paparan hasil –vcon
- Hibah Pengembangan 2008
 - Central function
 - Ruang server; lisensi software; etc.
 - Implementasi blue-print
 - Perguruan Tinggi
 - Capacity Development
 - Content development
 - Distance Learning Activities
 - Research collaboration

Evaluasi hibah TIK 2007

- V-con:
 - K1 – demo hasil pengembangan dan pemanfaatan produk; grantees di pooled beberapa tempat; materi di-pooled di storage dikti;
 - K2/K3 – check connectivity ke inherent; pemanfaatan product inherent; hasil2 capacity building (eps HR);
 - K0 – s.d.a
- Site-visit: sample 10 – 15 %
 - K1 –
 - K2/K3 – memanfaatkan local node + visit (beberapa)
 - K0 –
- Note: yg tidak melaksanakan hibah 2007 diminta resubmit kembali prop dan award is granted
- Time-frame:
 - Submit technical report: 18 April
 - Vcon: 20 – 30 April
 - Site-visit: 1 – 20 May

Capacity Development

- Training program for network admin & sys-admin
 - Assignment to selected PTs as training providers (UI, ITB, ITS, UGM, BINUS)
- Development of basic ICT infrastructure and system for University Management
 - Competitive-based, for institutions not receive K1, K2 or K3 before
 - Grant size : not exceeding Rp. 400,000,000.-

Content Development

- Type of contents:
 - On-line course suitable for e-learning
 - Open-source application system for university management
- Scheme: K1 – competitive, at Faculty/Dept level

Distance learning activities

- Distance learning for off-campus students
 - Jointly developed between at least four institutions (already connected to Inherent)
 - Credit earned is recognized by receiving institution and endorsed by the provider institution
 - Minimum five (core) courses; with at least 40% is delivered on distance mode
- Scheme: K1 – competitive at Dept/Faculty level

Research Collaboration

- Involving at least two institutions
- Utilizing networked computing resources
 - Grid-computing
- Scheme: K1 – competitive at Fac/Dep level

Overall

- K0 – DGHE designated Capacity Development
 - Target trainees: each nodes/sub-nodes 2 = 400 org
 - Provider: UI, UGM, ITB, (unair-kerjasama ITS), Ubinus
- K2/K3 – HEI initiated Capacity Development
 - Rp. 400,000,000.-
- K1 – Content Dev., DL, & RC
 - CD= Rp 50 - 100 jt/cont; DL= Rp. 50 jt/course; RC= Rp. 100,000.- ceiling total Rp. 600,000,000./grnt; and max 3 grnt per inst.

Budget overall

- Central function: $80 - 60 = 20$
- Grant-Training: 1.5 milyar
- Ex K0 dan tdk melaksanakan = 4 milyar
- Grant-K2/K3: 80 award = 32 milyar
- Grant-K1: 30 award = 22.5 milyar
- Grant-review: 400 prop = 0.6 milyar
- Total = 60.6milyar

Schedule hibah 2008

- Call for proposal: 24 Maret
- Submission of proposal: 20 April
- Announcement: 1 May
- Implementation: July – December 2008

Thank You

Menkominfo-meeting

- Efisiensi – government provides infrastructure for all departments; multi-years commitment;
- E-learning sebagai main program diknas
 - 21 may akan dilaunch e-bursa
- Digital dividen
- Cheap ict, part of CSR
- 9-10 may Bill Gates ke Indonesia