Indonesia in the 1990s

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Some Internet Related Issues

- reflection of country’s Internet development
  - Indonesia in the 1980s and 1990s
- vision of country’s Internet evolution
- outlook of Asian Internet
- perspective of Research Network
INHERENT Today (1)

• Indonesia Higher Education and Research Network
  – 82 Public Higher Education nodes
  – 224 Private Higher Education nodes
  – Bandwidth 2 - 155 MBps
  – Programs:
    • research grants
    • tele-teachings and teleconferences
    • resource sharing
    • local content development
INHERENT Today (2)

Indonesian Higher Education Network 2009
Indonesia Today

Graph showing the growth of PSTN, Fixed Wireless, Mobile Cellular, and Total from 2004 to 2008.
How were the 1980s and 1990s?

- 1980s: Pre Internet
- Early 1990s: Pioneers
- 1994-2000 : Commercial Internet
- 2000- : Mobile and Wireless Internet
1980s: Pre Internet

- The days of the Mainframes and Minis
- Less powerful PC
- Low Speed/ Quality Dial Up Connections
- Expensive X.25 service
- UUCP (batch): UNInet, AUSEAnet
- UUCP MAP: "Understands .id domain"
- First UI IP address block: 192.41.206/24
Early 1990s: Pioneer

- **Packet Radio Links** (1992s)
  - Jakarta - Depok - Bogor - Bandung
- **IPTEKNET** (trial: 1993)
  - X.25 link to RWTH Aachen (Germany)
- **".ID" Domain** (1993)
  - forwarding UUCP mail to UUNET, USA.
- **Campus Networks** (1993)
  - Depok (UI) 152.118/16
  - Bandung (ITB) 167.205/16
1994- : Commercial Internet

- Major Commercial ISP
  - INDOnet, RADnet, CBN --> APJII
- SubDomains
  - "ac.id", "co.id", "go.id"
  - early registration guidelines
- WebHosting
  - BisnisWeb, IndoGlobal, WebIndonesia
- IIX: Peering
Conclusion

- Early Internet Stage in Indonesia
  - commercial ISPs: the pipes
  - young entrepreneurers: the ecommerce
  - universities: the resources
Reference

• "INHERENT and Higher Education Development in Indonesia", Secretary of the Board of Higher Education, 2009.