

UNHAS' more than 25 year experience: 1983 – 2009 "From SISDIKSAT to PTIK"

1983 - 1994 SISDIKSAT



- →USAID BKS PTN INTIM (Eastern Indonesia Higher Education Association)
- →Distant Education System via Satellite (Sistem Pendidikan Jarak Jauh melalui Satelit, SISDIKSAT), the largest in the world in terms of its area of coverage
- →2 (two) Analog SCPC dedicated Channels in loopback mode, Palapa satellite
- →Audio-teleconference system, PABX, Fax and tele-blackboard



1983 - 1994 SISDIKSAT



Participants (from east to west):

- UNCEN Jayapura
- UNCEN Manokwari (now Univ. Papua)
- UNPATTI Ambon
- UNSRAT Manado
- IKIP Manado (now Univ. Negeri Manado)
- UNTAD Palu
- UNHALU Kendari
- Remote Earth Station for Rural Satellite Applications at Wawotobi, South East Sulawesi
- IKIP Ujungpandang (now Univ. Negeri Makassar)
- UNHAS Makassar (as the Center Point)
- UNDANA Kupang
- UNRAM Mataram
- UNLAM Banjarmasin
- UNMUL Samarinda
- DIKTI Senayan
- IPB Bogor



1983 - 1994 SISDIKSAT



Main purposes:

- Courses Delivery
- Resource Sharing
- Demonstration of Advance Educational Technology application for higher education systems

1994 Introducing the INTERNET!

- Data Communication system replaced the audioteleconference system
- → The Analog SCPC Channel was utilized for packet data communication system using 1200 bps Packet Radio MODEM.
- → Link to the INTERNET was first established experimentally via BPPT at Jalan M.H. Thamrin Jakarta to DIKTI Senayan via PSTN, connected to all SISDIKSAT sites via Analog SCPC Channel.
- → The INTERNET was made available for the first time at the eastern region of Indonesia, even in such a remote places as Manokwari and Jayapura.

1994 – 2009 From 1200 bps to 40 Mbps Internet connection

1994: 1200 bps Packet Radio MODEM via SCPC in loopback mode

: Telkom granted an analog 14.4 Kbps Microwave leased line

: The Microwave link was terminated, a 64 Kbps VSAT connection was granted

: 256 Kbps link was leased from Indosat, then gradually upgraded to 512 Kbps up to 2 Mbps

: 40 Mbps link was leased from Astinet, TELKOM



Other RELATED PROJECTS

- School on Internet (SOI), a 10 Mbps downlink, asymetrical Internet connection for Video-Conferencing
- → Global Distance Learning Network (GDLN), a Video-Conference facility funded by the World Bank
- → Indonesian Higher-Education Network (INHERENT), a nation-wide project inter-connecting universities and higher-education institutions in a broadband data network. A "re-incarnation" of SISIKSAT in a wider version.
- → POSS, a project with the Ministry of Research and Technology to promote the "Indonesia Goes Open Source (IGOS)" tag-line.

2005 - now: PTIK (ICT Center)

- The former SISDIKSAT merged with the former Computer Center (PUSKOM) establishing the ICT Center (Pusat Teknologi Informasi dan Komunikasi, PTIK)
- > PTIK has at least 3 (three) missions:
 - Establishing a reliable and continuous Internet service in and off campus
 - Developing the integrated University Information System.
 - Developing the Learning Management Systems for the Student Centered Learning (SCL).

