Video Conferencing System for Education

Faculty of Medicine
Universitas Indonesia

Aria Kekalih
Nopa krismanto
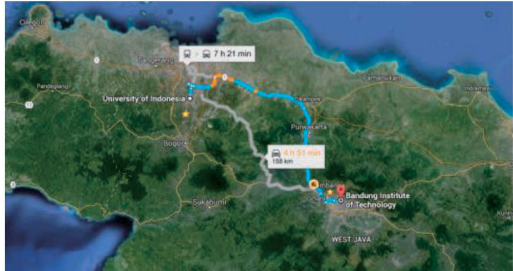

Faculty of Medicine
Universitas Indonesia

- The most older faculty of medicine in Indonesia
- Have 2 campus in the deference city, Jakarta and Depok-West Java.

Universitas Indonesia

UI Closest link to TEIN Network - Bandung

Education Information System

- E-Learning
  Able as a facility quiz, task and exam.
  Base on open source system using moodle.
- Video conferencing
  Facilitate teleconferencing between salemba campus and Depok campus and networking medical university.
  Using H323 system such as polycom HDX7000 and Aver

Video Conferencing Event

- Asia Pacific Digestive Week 2014
  An encdoscopic HD live surgery between Gastroentrology RSCM (Jakarta), Hyderabad University (India) and BNDCC venue (Bali)
  Using Aver EVC 900 as an MCU.
- Indonesian Pedriatic Forum 2015
  Cardiovasculer pedriatic surgery in Sutomo Hospital (Surabaya) and Marriot Hotel (Jakarta) as a venue.
  Using Aver EVC100

  **All utilized commercial network
  Need trial on using ID REN**
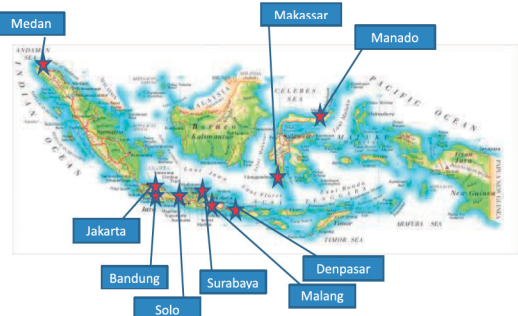
Education Information System

- Live Surgery
  Able to facilitate studend to learn live of many cases in surgery.
  Surgery do in Operating room RSCM and the student as a participant watch and comunication in their class.
  Using H323 polycom HDX 7000 and Aver EVC900
- Live Streaming
  Broadcast into website
  Using wirecast software

Future Effort (Hospital)

- Colaborating with our 7 Hospital Network;
  - Harapan Kita mother and children hospital.
  - Harapan Kita cardiac center hospital.
  - Persahabatan pulmonary hospital.
  - Fatmawati Hospital
  - Sulianti Saroso Hospital
  - Dharmais cancer center hospital
  - Ciptomangunkusumo Hospital
- Create workgroup telemedicine (Engineer + Medical Doctor Telemedicine Leader)

Plan of Endoscopy Ganstroenterologist Network Indonesia

Effort (University)

- Collaboration between all Faculty of medicine University in Indonesia such as Brawijaya university, Airlangga University and others.
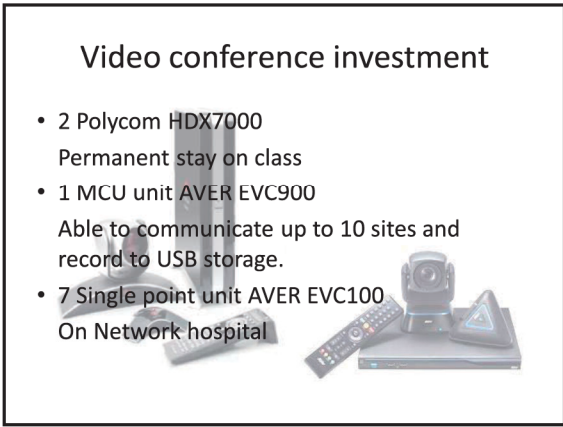- Try using vidyo system.

Suggest

- APAN telemedicine giving us the schedulle telemedicine event for a year, so we can prepare to invite related expert.
- We can use nearest vidyo server for development and training

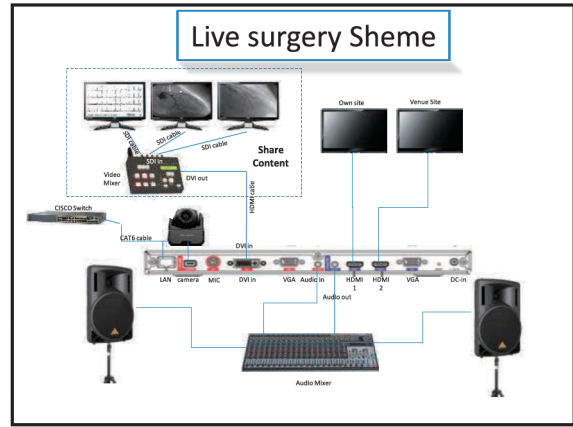Faculty of Medicine Universitas Indonesia

CURRENT EXPERIENCE IN TELECONFERENCE EVENTS

Video conference investment

- 2 Polycom HDX7000
  Permanent stay on class
- 1 MCU unit AVER EVC900
  Able to communicate up to 10 sites and record to USB storage.
- 7 Single point unit AVER EVC100
  On Network hospital

Live surgery Sheme

APDW 2014

Indonesian Pediatric Forum 2015

Thank you
Salamat
ありがとう
Terima kasih