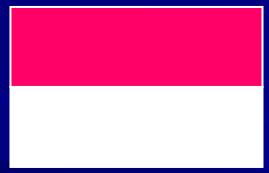
“E-learning development in the Network of Technical and Vocational Education in Indonesia.”

Technical Education Development Centre, Bandung



Indonesia Country Report 2004

National Education Department
Directorate for Vocational Education (Dikmenjur)

TEDC Bandung

- Training Center for Teachers Development
- Curriculum Developer for Vocational Schools
- Company Partner Ship for Profession Standard Competence Developer
- E-Learning development Host for AEN-Indonesian Group

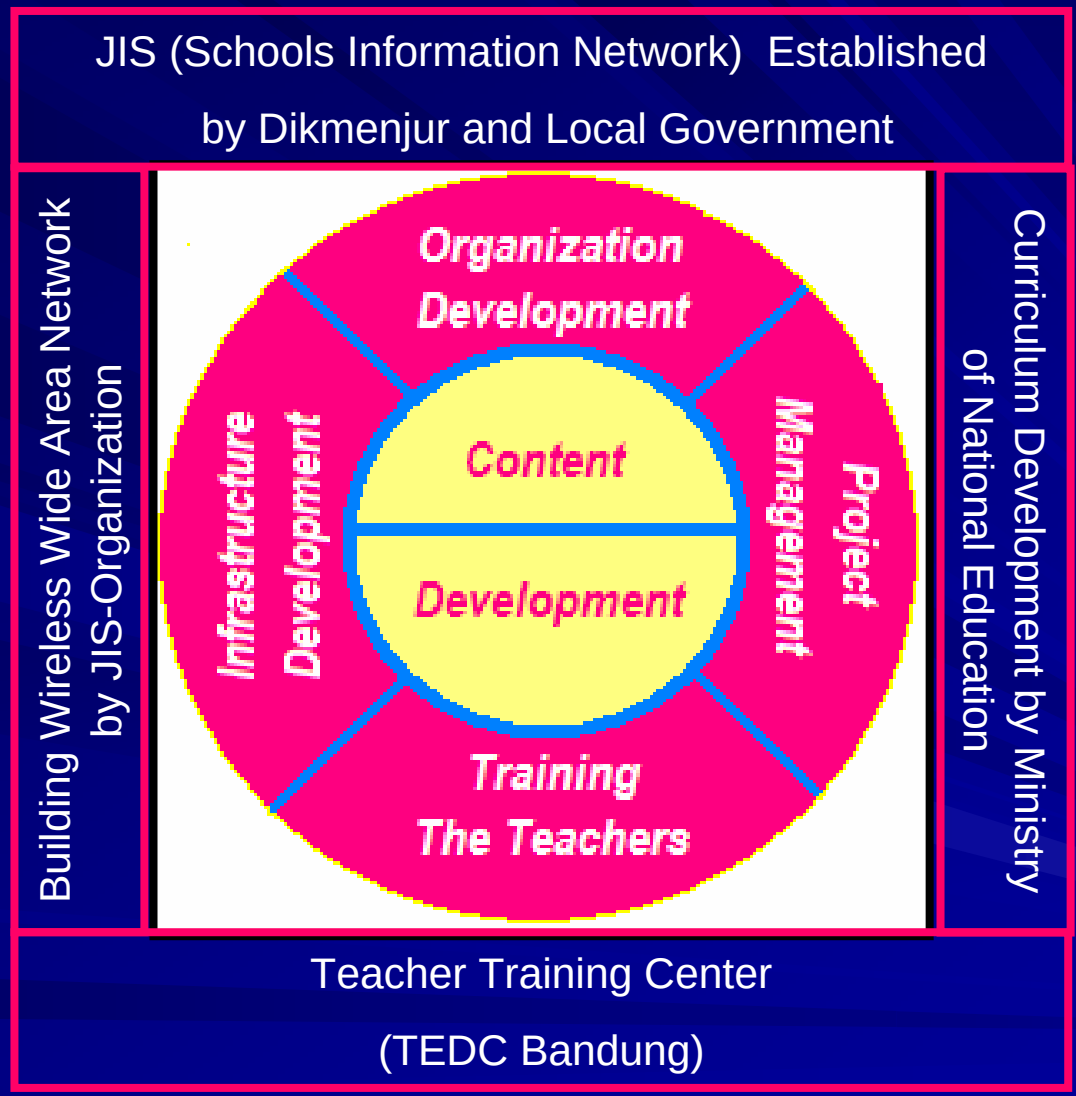
Motivator for Organization Development

- **Establish Schools Information Network (JIS) in each major cities in Indonesia : 64 JIS already exist in 2004**
- **JIS will focus on building ICT communities in each city as a tutor for e-Learning promotion.**
- **Establish e-learning related organizations as needed**
- **Establish strategic partnership with private companies**

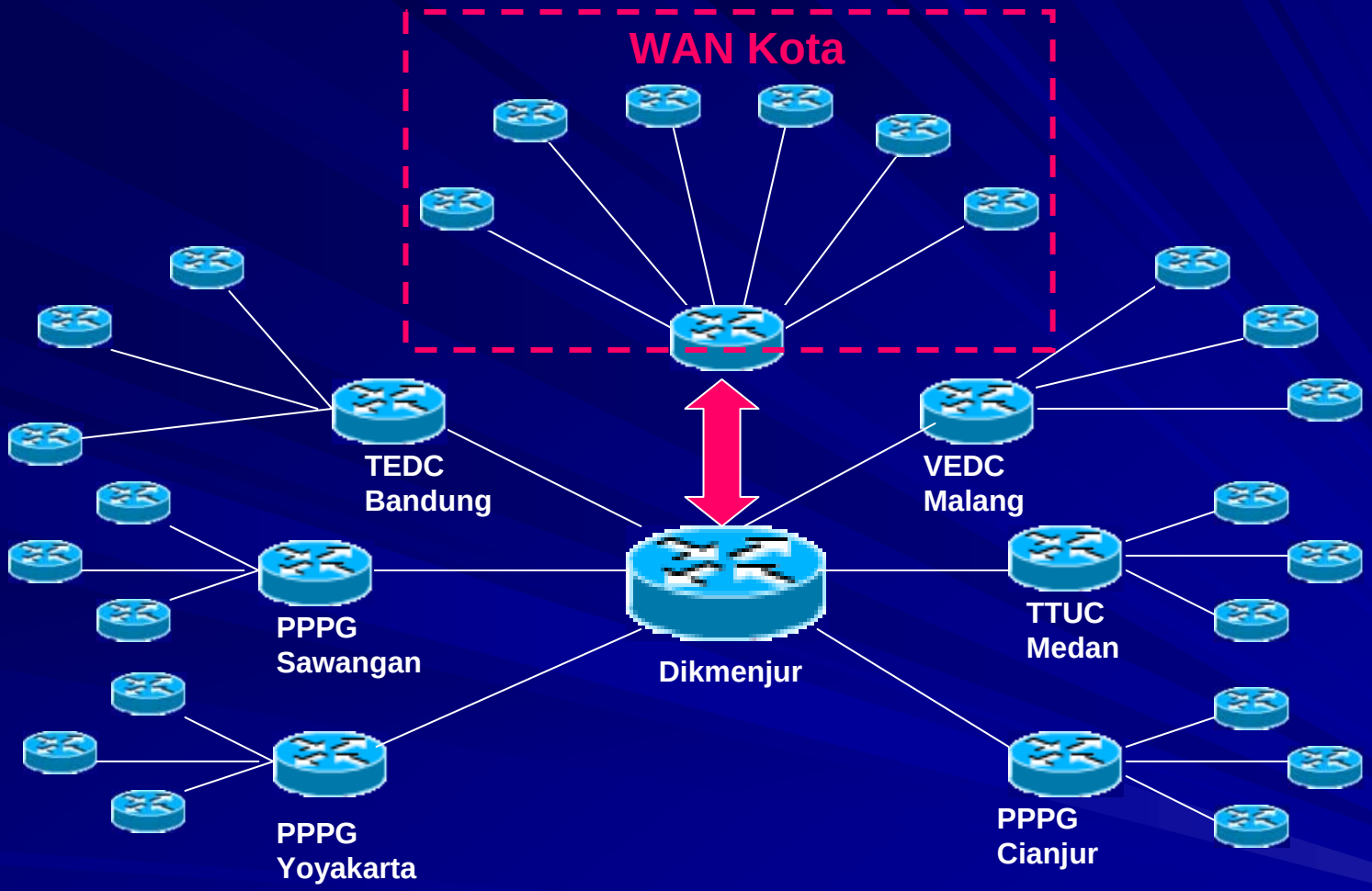
Electronic Department, Information Technology Section

- Focus on ICT Training for teachers
- Supporting to Establish ICT Center in every province in Indonesia
- Target Teacher trainees : 24 groups x 20 persons in each ICT Center for year 2004-2005
- Supporting to Prepare Mobile Training Units (MTU) Pilot project, 6 units operated year 2004
- All budget supported by National Education Department
- Content e-Learning Development for year 2005-2010 (New plan)
- Software Development Center, Joint Program with Microsoft , Web-C, Solusipintar@inc

E-Learning Development Strategy



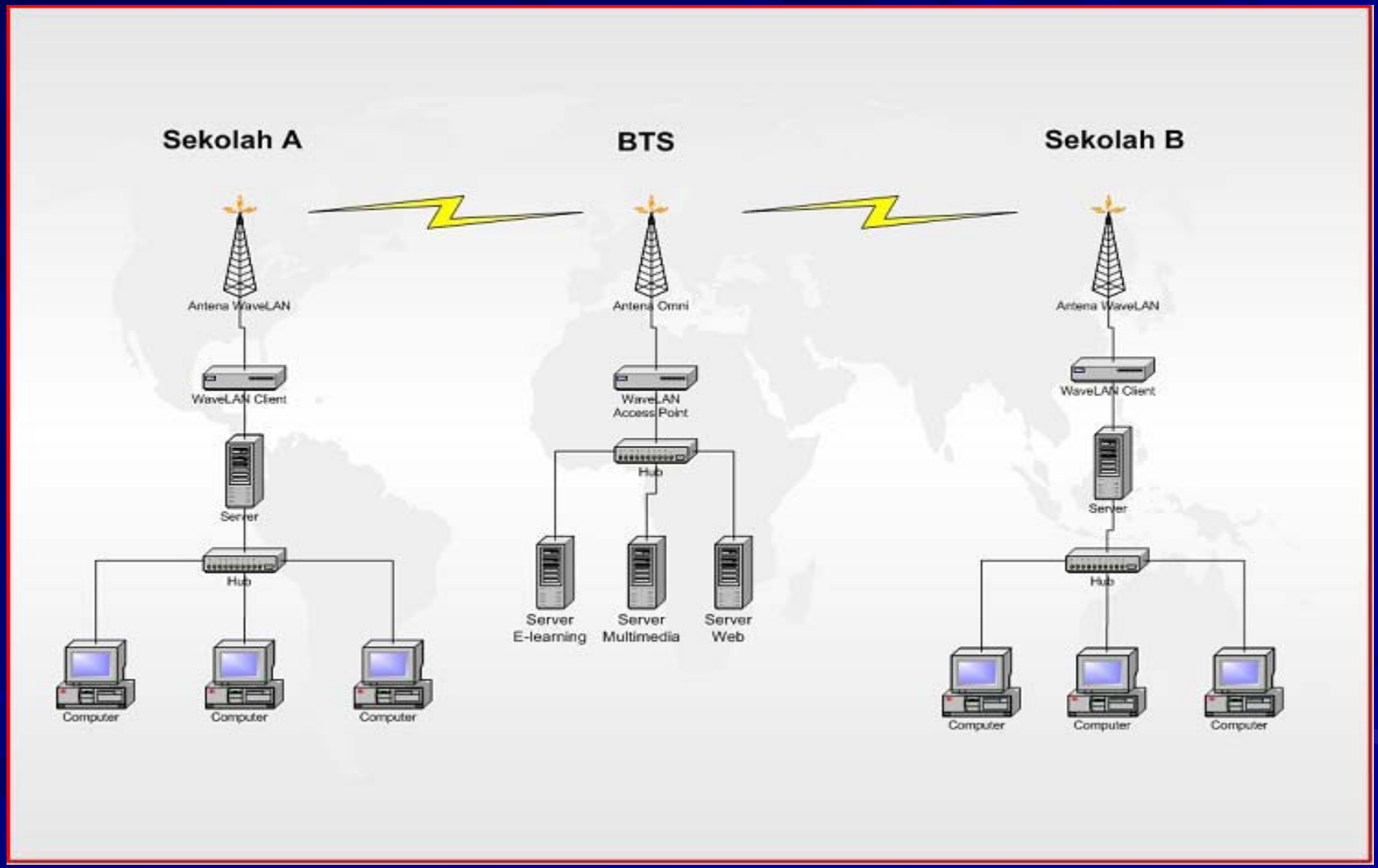
Network Planning



Networks Supported by 48 "CISCO" Local Academy, at Vocational Schools (SMK)

1450 Teachers has upgraded their skill for Networking and Web Developer until 2004.

WAN-KOTA (City Network)



Organization And Network Development Area

4.169 Vocational Schools
7.900 General Senior Secondary Schools
12 + 27 Teacher Training Centre

400 Schools with **16.000** PC's
12 Teacher Training Centre **1200** Pc's
2004-2005: **64** WAN Establishes

Network Development on the East Indonesia

Direct Connection to Satellite

Curriculum Development

- Enhancing curriculum to support Competency Based Approach
- Compulsory curriculum for high school student, General class to apply 90 hours on IT subject per semester (Computer Basic Knowledge)
- Starting to prepare national testing (online testing) for ICT subject
- Plan to integrate e-learning with existing curriculum → blended approach

Workshop Joint Program
Microsoft & TEDC Bandung

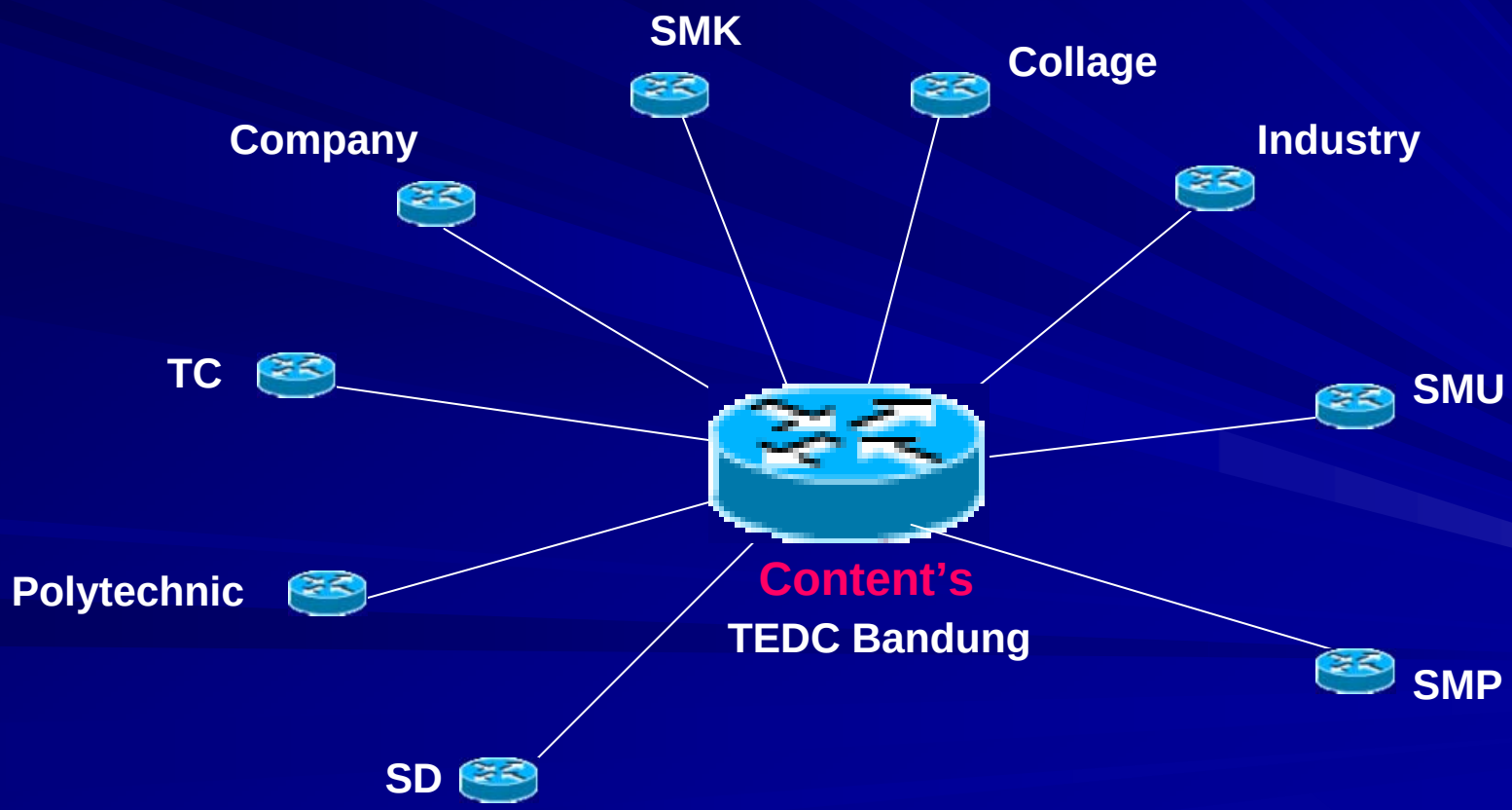
AEN Conference 2004,Singapore

e-Learning Content Development

- In 2004, Ministry of National Education has prepared learning content for high schools using government budget
- 125 topics for vocational high school (US 2000/topic)
- 125 topics for general high school (US 2000/topic)
- For next five year, will develop 125 topics/year
- Using CBT approach, PC/web-based
- Need to be re-packaged to adopt SCORM standard
- Next step : develop/using LMS

Establishing e-learning Content Developer group

Since the e-learning content consist of many subject matter from different discipline. We need to establish the e-learning Content developer group . The member of this group are the teacher or Trainers from several Difference Institution. To facilitate the communication and coordination among the group members, the computer Network should be setup.

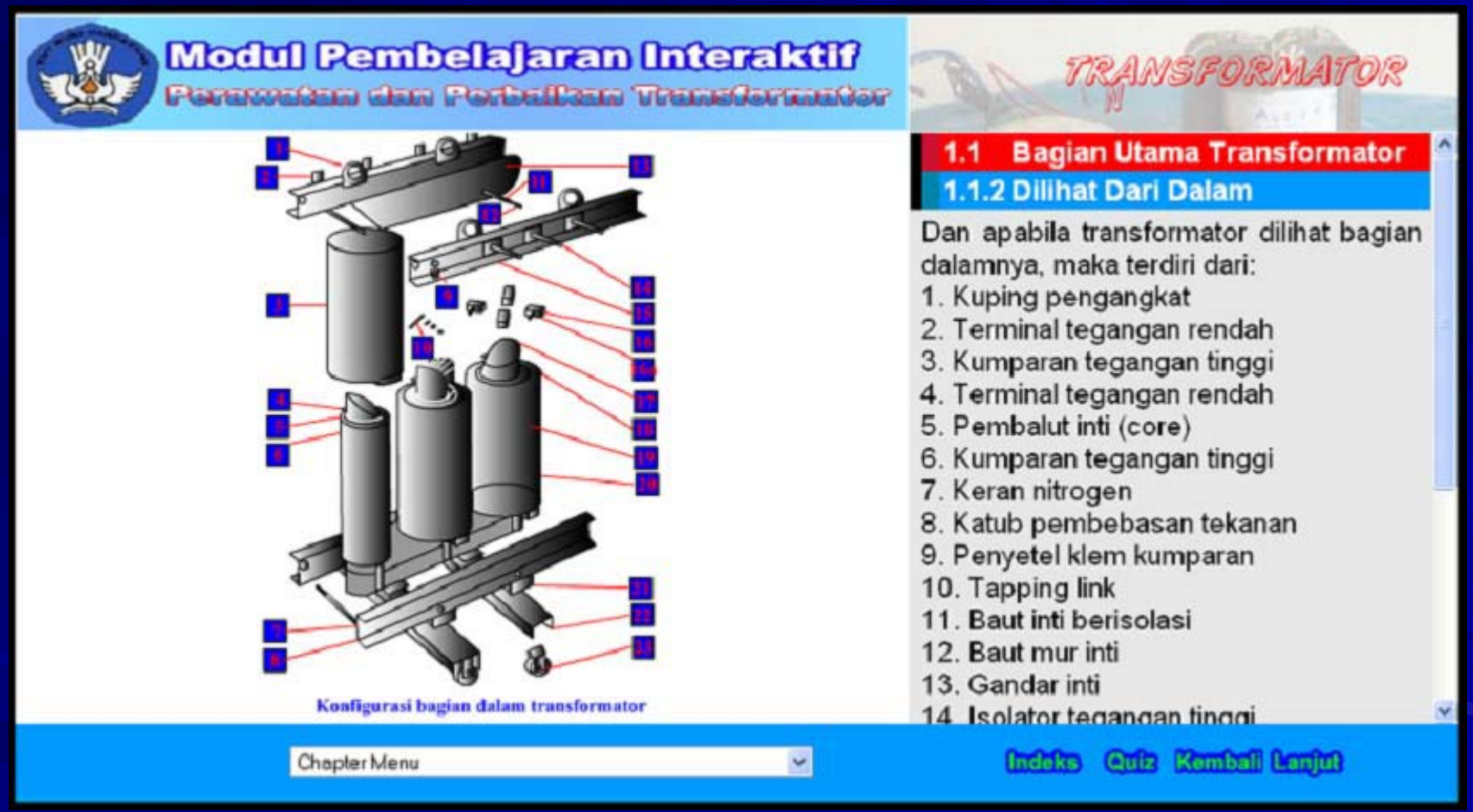


Current Problems

First Workshop E-Learning Developer team (24 persons)

- Lack of e-learning professional → need knowledge transfer
- Lack of e-learning content that suitable with existing curriculum
- Lack of e-learning experience → study best practice from other country

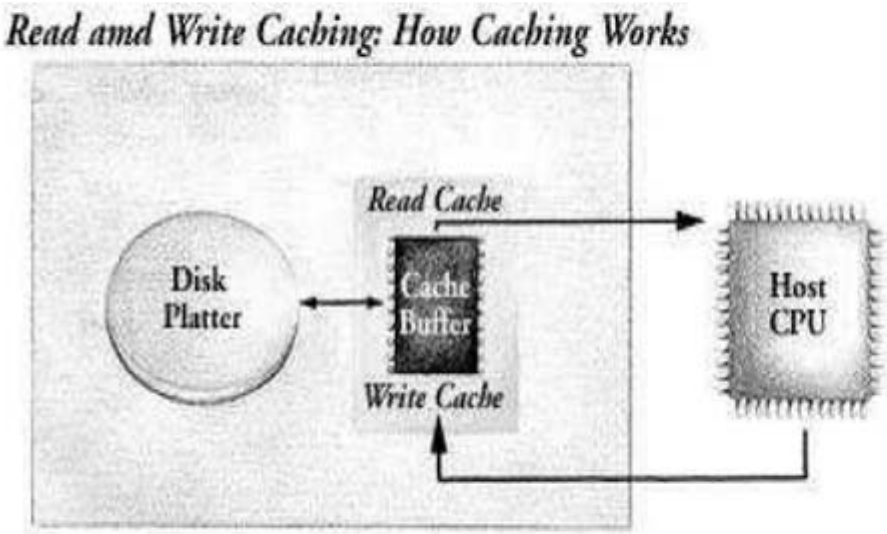
CD Interactive Sample (Transformator)



CD Interactive Sample (PC Hardware)

Modul Pembelajaran Interaktif

Perangkat Keras Komputer



6.1 Arsitektur Disk

6.1.3 Disk Cache dan Disk Adressing

Disk Cache

Adalah memory berjumlah kecil yang dirangkaikan dengan unit storage, untul mempercepat proses baca/tulis. Jika ada request data, ternyata data tersebut ada pada cache, maka pembacaan akan jauh lebih cepat.

Analoginya misalkan kita adalah tukang kayu yang membutuhkan paku, pertama kita mencari dan mengeluarkan 8 buah paku dari tool box kita, dan menggunakan 3, sedangkan sisanya kita taruh di meja. Nah, jika kita membutuhkan lagi paku, kita tidak usah lagi mencari ke dalam tool box, melainkan mengambilnya dari meja. Disk Cache juga digunakan sebagai antrian

Chapter Menu

Indeks Quiz Kembali Lanjut

CD Interactive Sample (CNC Machine)

CD Interactive Sample (PC-Networking)

Thank you for your Attention !

Presented on November 5-8, 2004

The Asia e-Learning Network

Kickoff Meeting 2004,

Tokyo Prince Hotel & Hotel Mets Shibuya

Tokyo

AEN-Indonesian Group
TEDC Bandung Indonesia

The End.