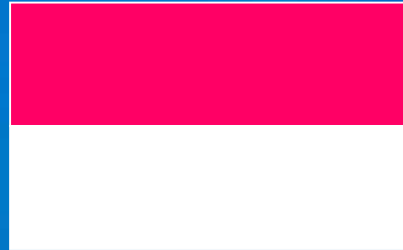


# “Strategy of e-learning development in the Network of Vocational and General Education in Indonesia.”

**Country Report for AEN Conference 2005**



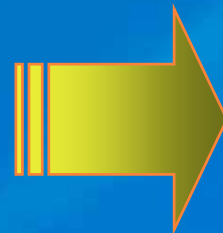
**Binsar Siagian**

**Technical Education Development Center Bandung**

# Organization And Network Development Area



5000 Vocational Schools  
9000 General Senior Secondary Schools



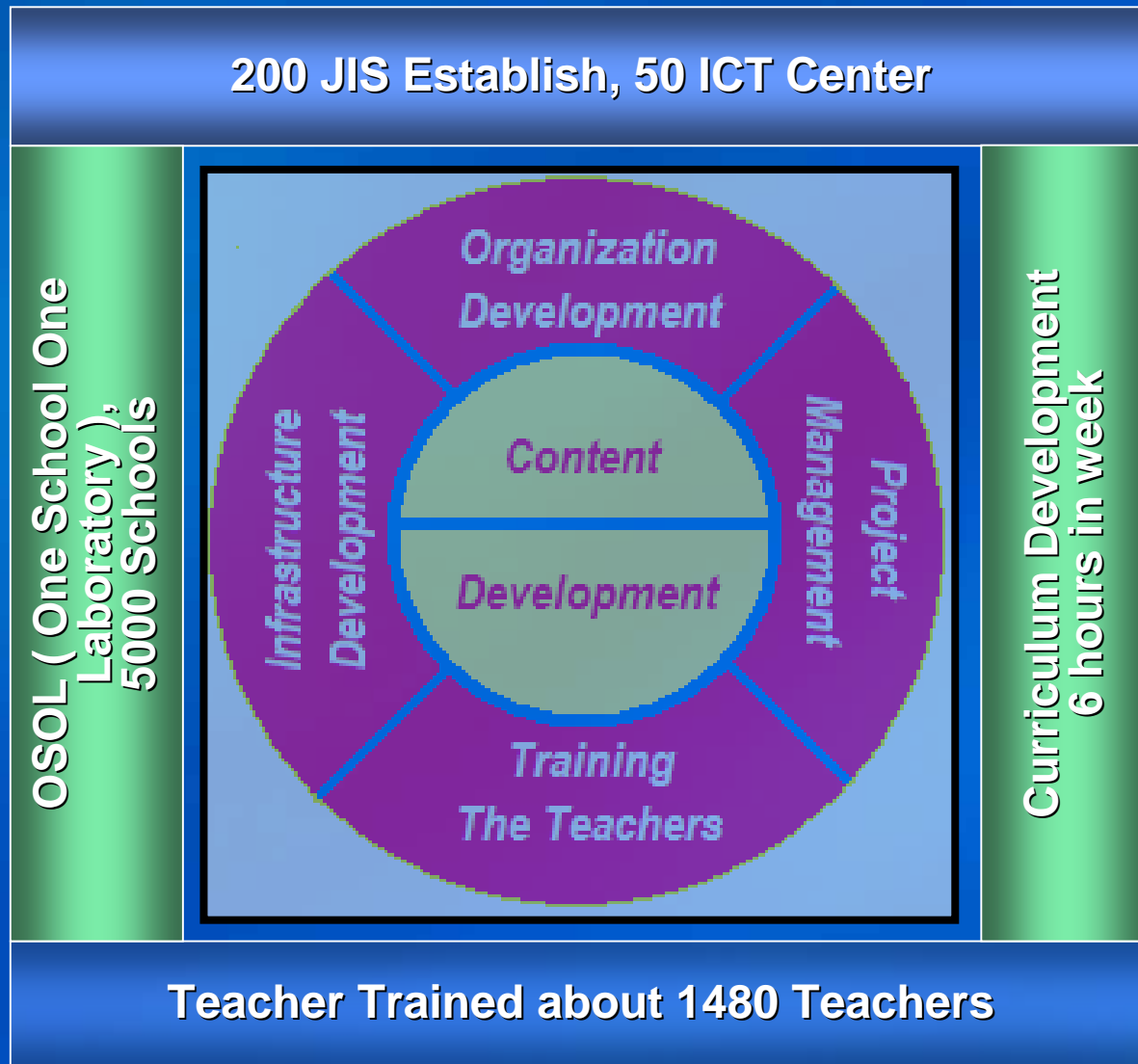
12 + 27 Teacher Training Centre  
50 ICT Centre + Mobile Laboratory.

# How People Learn

## Brain, mind, experience, and school

- Teachers must draw out and work with the pre-existing understandings that their students bring with them
- Teachers must teach some subject matter in depth, providing many examples in which the same concept is at work and providing a firm foundation of factual knowledge
- The teaching of metacognitive skills should be integrated into the curriculum in a variety of subject areas

# E-Learning Strategy Development 2002-2006



## **National e-Learning Meeting and Workshop**

- 1. May 2005, 24 members from each provinces & Microsoft**
- 2. August 2005, 24 members of Teacher from ICT Center & TEDC Bandung (AEN-Members)**
- 3. October 2005, 24 members from School and ICT Center & CPSC Manila**

### **Result :**

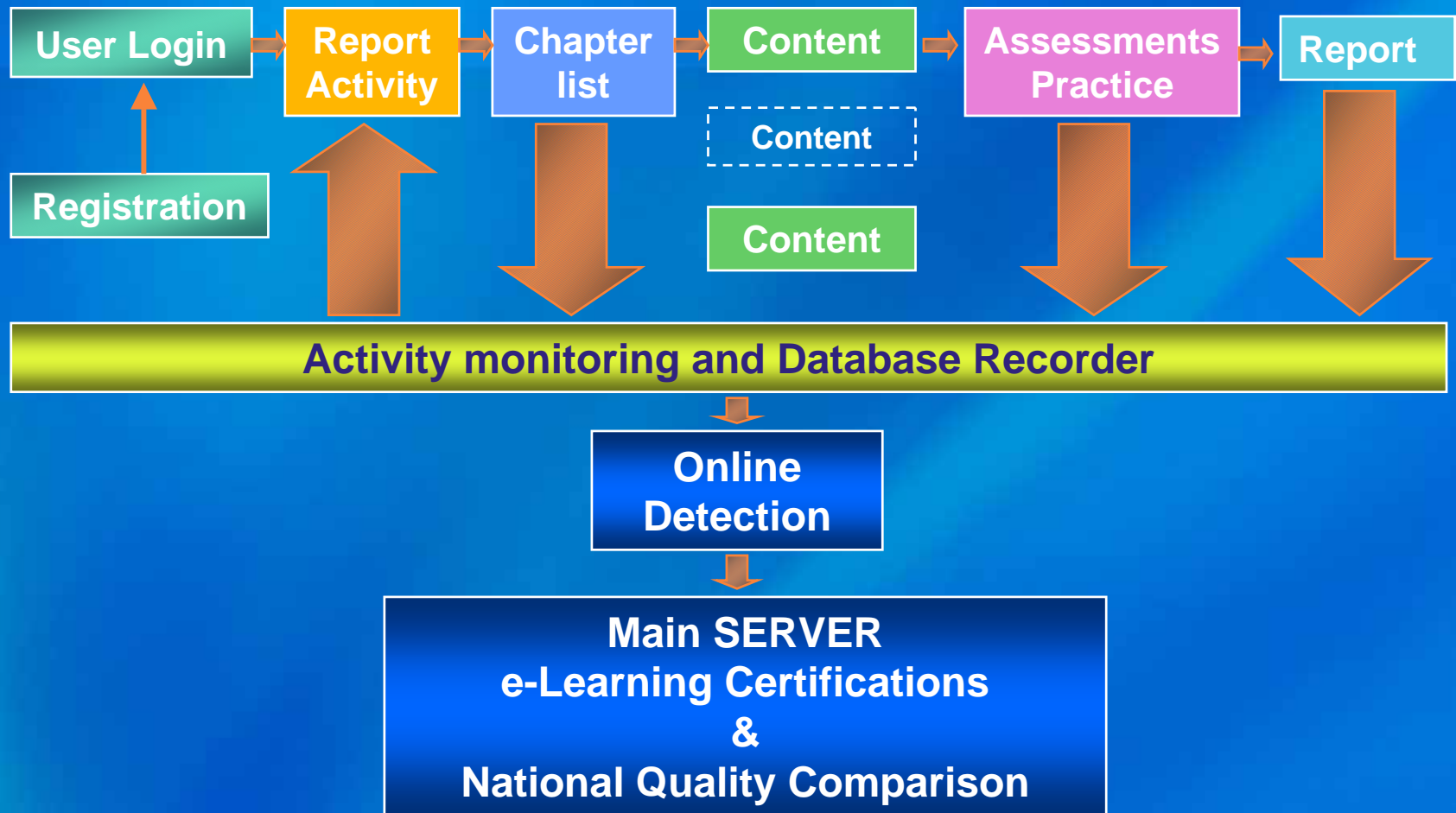
- 1. Develop the Content by all members/Company**
- 2. Focus only for Content, Methodology & Interactive reporting**
- 3. National Standardization develop by MSDN-team**

# **Standardization tools as “Need”**

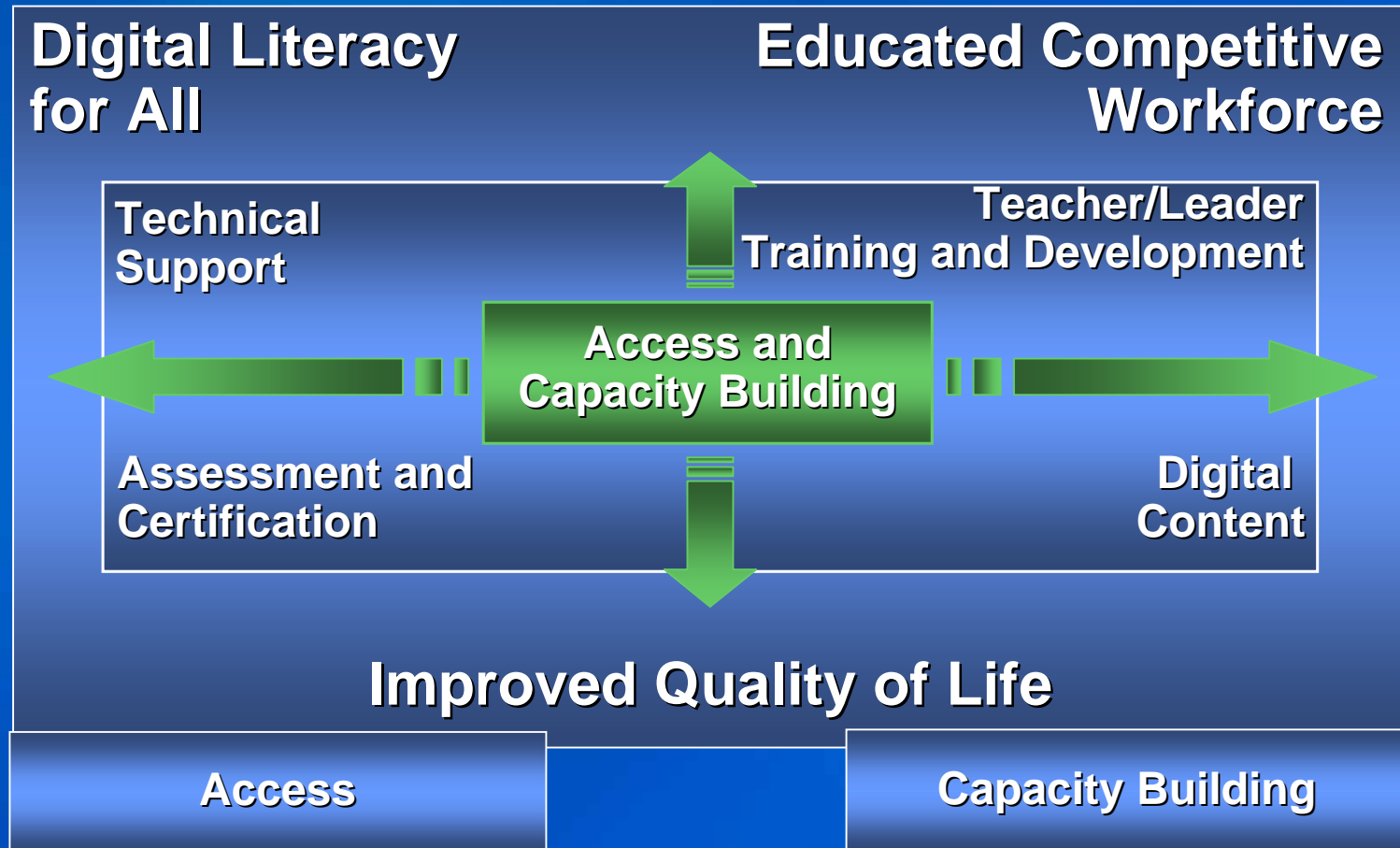
- 1. User Standalone database / Intranet**
- 2. User Interaction report database ( login & activity )**
- 3. Internet or SMS Connection report (off line )**
- 4. Dikmenjur e-Learning SERVER Database support  
by Microsoft**
- 5. ICT Center e-Learning Regional SERVER**
- 6. LMS and Certification ( Standard Competences)**

# Student Activity Recorder Role

How they learn (best)



# Partners In Learning



Partners in Learning –  
Fresh Start for Donated PCs  
Partners in Learning –  
School Agreement

Partners in Learning -  
Grants



# How About the SCORM ?

Brain, mind, experience, and school

- Study and Testing for SCORM (limited resources)
- No Idea, related to National Curriculum of School
- Education Role and Low for e-Learning
- Standard Competence for Vocational Education
- Organization, Control, Security
- Who can support Us for the SCORM technology transforms.

# Content Sample by TEDC Bandung

User Login

User ID :

Password :

Exit Login

DAFTAR KEMAJUAN KEGIATAN BINSAR SIAGIAN

BAB 1

	Score	Cek	Date
1.1 Presentasi Angka	100	✓	14-11-2005
1.2 Keuntungan dan Keterbatasan Tek. Digital	100	✓	14-11-2005
1.3 Sistem bilangan Digital			
1.4 Bentuk lain dari Interpretasi angka Biner			

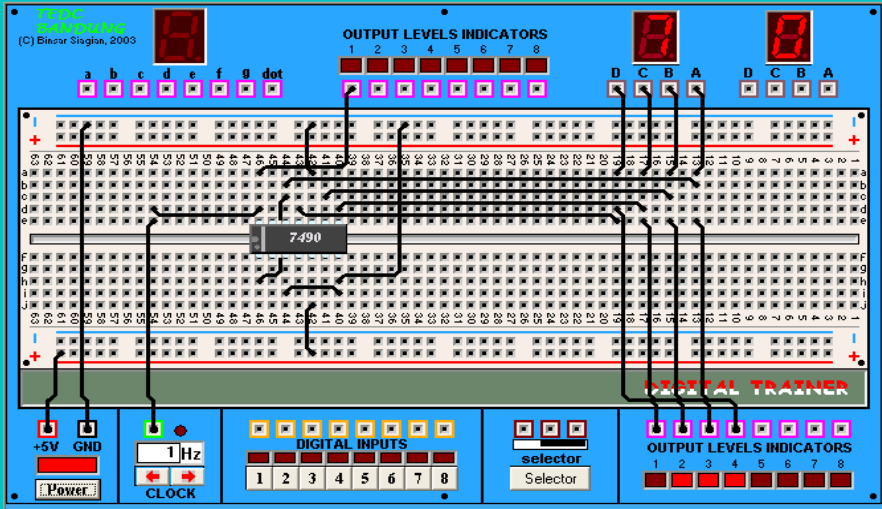
Anda belum

Digital Experiment : E:\Virtual Digital Trainer\Digital Trainer\Sample\test2-7490.exp

File Edit View Project Componen Wire Run Job Sheet Help

Sponsor

8086cpu Assembler For MS Windows



Laporan OR Gate

Langkah 6

B	A	F
0	0	X
0	1	X
1	0	X
1	1	X

Langkah 7

D	C	B	A	F
0	0	0	0	X
0	0	0	1	X
0	0	1	0	X
0	0	1	1	X
0	1	0	0	X
0	1	0	1	X
0	1	1	0	X
0	1	1	1	X
1	0	0	0	X
1	0	0	1	X
1	0	1	0	X
1	0	1	1	X
1	1	0	0	X
1	1	0	1	X
1	1	1	0	X
1	1	1	1	X

Double Click pada Caption dari tabel yang akan Anda Isi, agar tampil pada bagian depan screen!

Save

Display Board Insert Laporan

**Praktikum -1**  
**Operasi fungsi OR**

**Tujuan :**

1. Setelah menyelesaikan kegiatan praktikum ini, diharapkan Anda sudah membuktikan fungsi kerja dari IC OR-Gate, sesuai dengan tabel kebenarannya.
2. Mampu merangkai komponen IC sesuai dengan Rangkaian yang diminta dalam job sheet.

**Persiapan:**

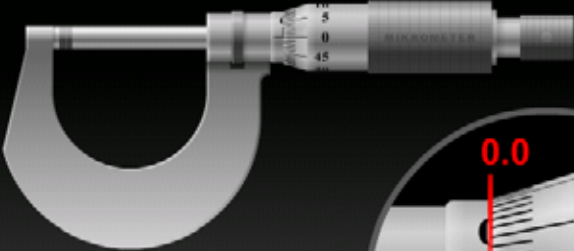
Untuk melakukan kegiatan Praktikum, peralatan yang Anda butuhkan adalah :

1. Digital Trainer

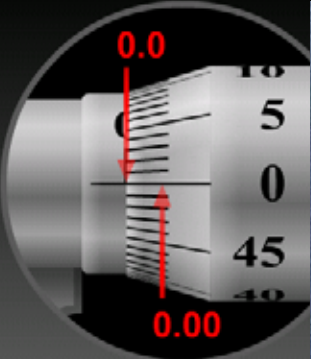
# Content Sample by PESONA (e-Learning Company)

AMAZING PHYSICS & AMAZING MATHEMATICS DEMO

Physics: Micrometer



reading on micrometer  
 $0.0 + 0.00 = 0.00 \text{ mm}$



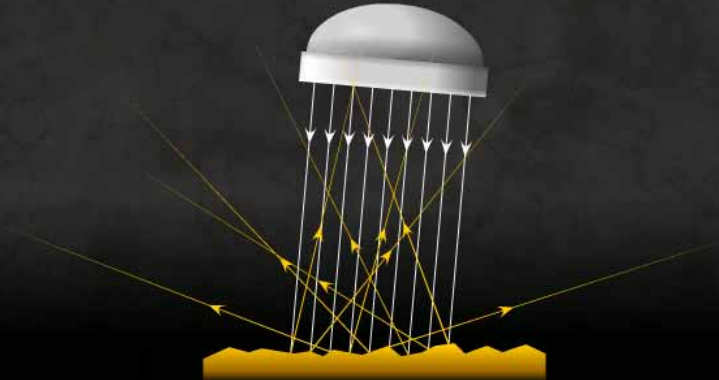
Turn the thimble and look for the marking on the scale.  
Click on the object when you want to measure it.

About us  
Animations  
Interactive  
Screen shots

AMAZING PHYSICS & AMAZING MATHEMATICS DEMO

Physics: Diffused Reflection


Besides regular reflection, there is another reflection, it is **diffused reflection**.  
If a beam of light falls on a rough surface, the rays are reflected in many different directions.



Click on the surface for close up.

3 / 4

Move & rotate the light source.  
Observe the reflecting direction.

surface: 

About us  
Animations  
Interactive  
Screen shots  
Quit

www.PesonaEdu.com

# Content Developed from year 2003-2005

1. 150 Title for Technical Subject
2. 50 Title for Agriculture subject
3. 100 Title for General Subject
4. 10 Title for Hotel and Tourism



Government Budget

How about the Quality of Product ?  
( effectiveness, solution, or wasteful )

# Taking an End to End Approach – Working to Bring the Pieces Together



# **Thank you for your Attention !**

**Presented on December 14, 2005**

**by**

**The Asia e-Learning Network Conference 2005,  
Ariake Washington Hotel, Tokyo**

**Binsar Siagian, TEDC Bandung Indonesia**

**E-mail: [binsarid@yahoo.com](mailto:binsarid@yahoo.com)**

**The End.**