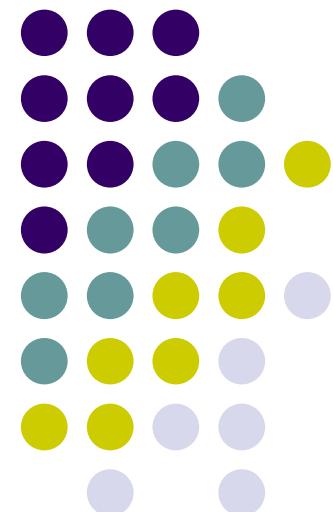


# e-Learning

---

## Konsep Teknologi

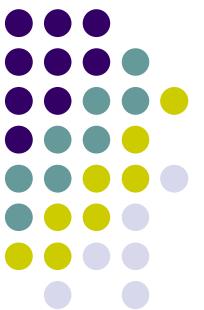
Penyaji : Rengga Asmara





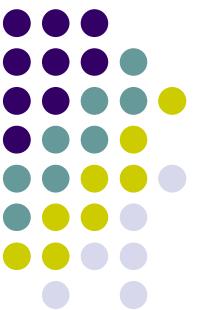
# Agenda

- Apakah e-learning
- Merencanakan e-Learning
- Implementasi e-Learning



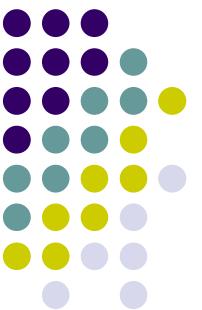
# Definisi

- Sebuah bentuk teknologi informasi yang diterapkan di bidang pendidikan dalam bentuk sekolah maya.
- Usaha untuk membuat sebuah transformasi proses belajar mengajar yang ada di sekolah ke dalam bentuk digital yang dijembatani oleh teknologi internet.



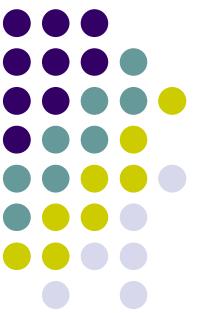
# Definisi – cont'd

- Fokus e-Learning
  - Efisiensi proses belajar mengajar
- Cara pengajaran dan kurikulum
  - Mengacu pada kurikulum nasional



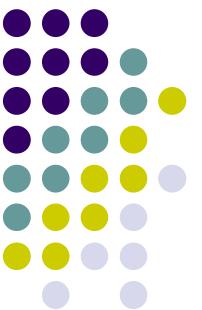
# Keuntungan

- Finansial
- Waktu



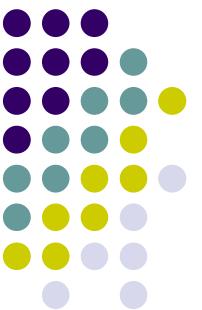
# Masalah

- Biaya akses internet
- Pemahaman masyarakat akan teknologi internet.



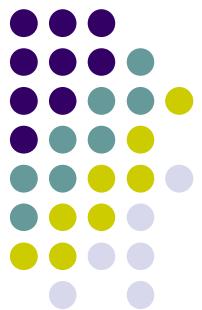
# Learning Tool

- Offline Learning Tool
- Online Learning Tool tanpa Audio Video
- Online Learning Tool dengan Audio Video



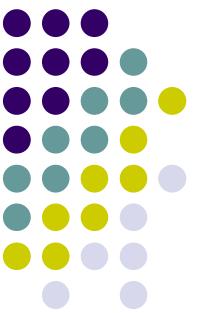
# Offline Learning Tool

- Model yang paling mudah dibuat.
- Interaksi antara pengajar dan siswa dilakukan dalam bentuk diskusi saja.
- Pemberian materi tidak ditentukan oleh jadwal tertentu.
- Umumnya materi bersifat terstruktur, sederhana, dan disertai animasi yang menarik dengan menggunakan Macromedia Flash atau format film.



# Offline Learning Tool – cont'd

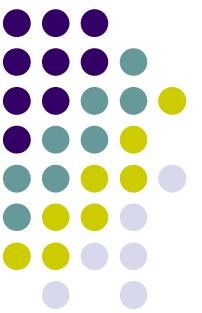
- Banyak disukai oleh peserta yang memiliki batasan waktu untuk mengikuti kelas dalam waktu yang tertentu.
- Kurang menarik karena interaksi dengan pengajar yang relatif kurang.



# Offline Learning Tool – cont'd

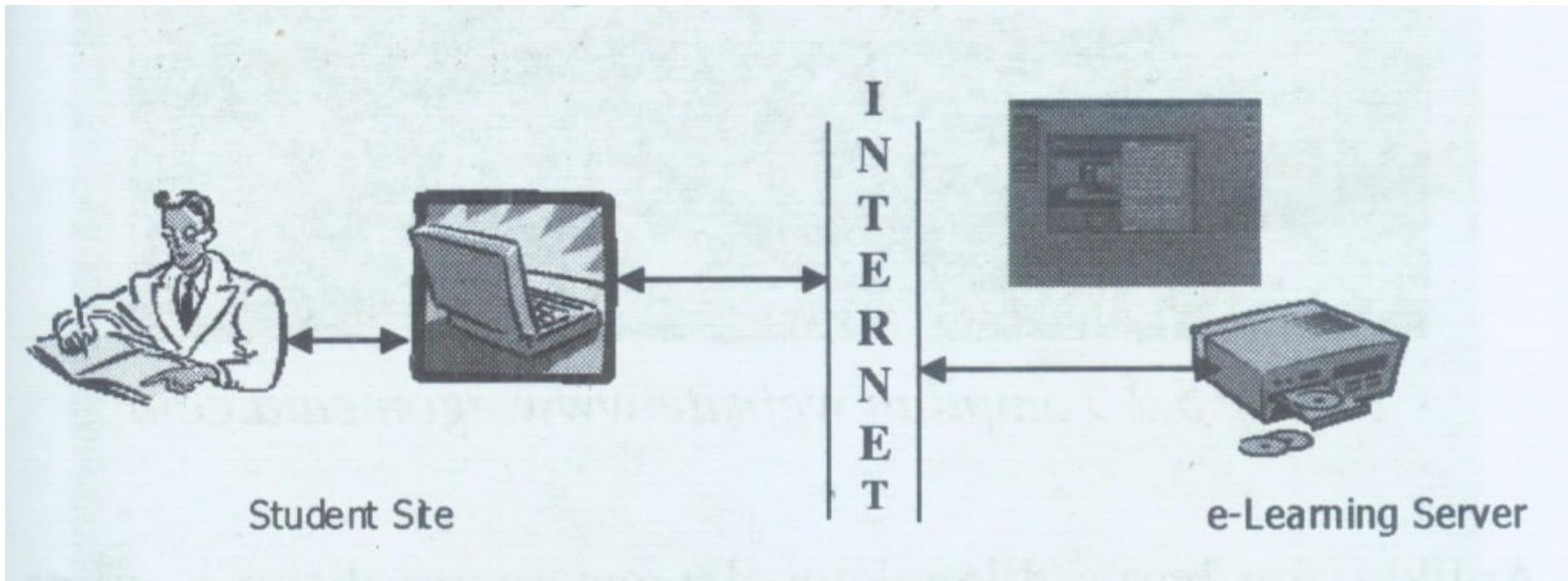
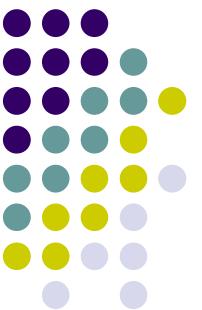
- Harus dilengkapi dengan ruang diskusi online yang setipe dengan chatroom sebagai ruang komunikasi online antara pengajar dengan siswa.

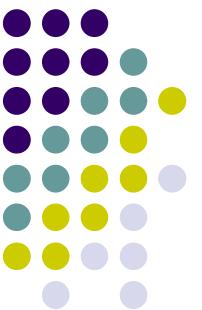
# Implementasi Offline Learning Tool



- Tidak diperlukan sebuah server terpisah untuk menangani permasalahan broadcasting materi kuliah dari trainer.

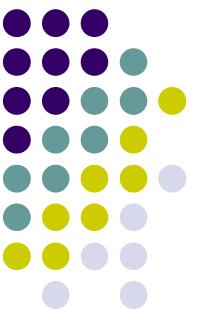
# Implementasi Offline Learning Tool – cont'd





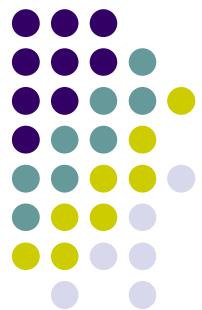
# Model Offline Learning Tool

- Offline Tutorial
- Simulasi
- Offline Movie



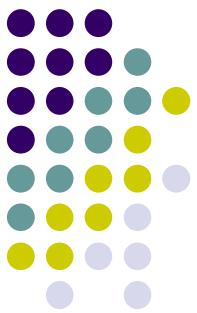
# Offline Tutorial

- Materi diberikan dalam bentuk presentasi offline yang menarik dan terstruktur.
- Contoh: <http://www.egomedia.com>



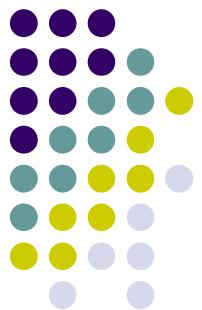
# Simulasi

- Biasa digunakan sebagai laboratorium bagi pelatihan siswa terhadap materi kuliah yang telah diberikan.
- Contoh:
  - <http://www.fields.utoronto.ca/~hfluks/javasim.html>
  - <http://jersey.uoregon.edu/vlab/Voltage.volt1.html>



# Offline Movie

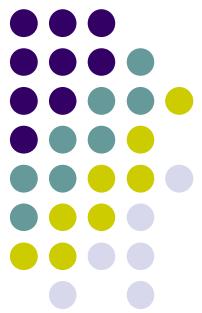
- Menggunakan rekaman film yang berisi hasil rekaman sebuah pemberian materi oleh pengajar dalam bentuk modul-modul file film.
- Siswa dapat melihat film tersebut sewaktu-waktu.
- Metode ini hanya memindahkan materi dalam bentuk tulisan yang dapat dicetak ke dalam film.



# Learning Tool

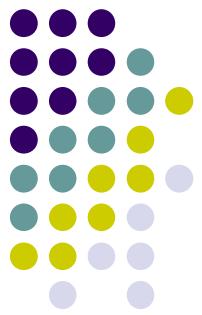
- Offline Learning Tool
- Online Learning Tool Tanpa Audio Video
- Online Learning Tool dengan Audio Video

# Online Learning Tool Tanpa Audio Video



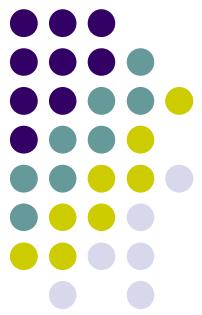
- Merupakan pengembangan model diskusi online melalui chatroom.
- Ditambahkan visualisasi dari sebuah presentasi materi yang diinginkan.
- Pemberian materi dapat dilakukan secara dua arah pada waktu tertentu yang telah ditentukan.

# Online Learning Tool Tanpa Audio Video – cont'd



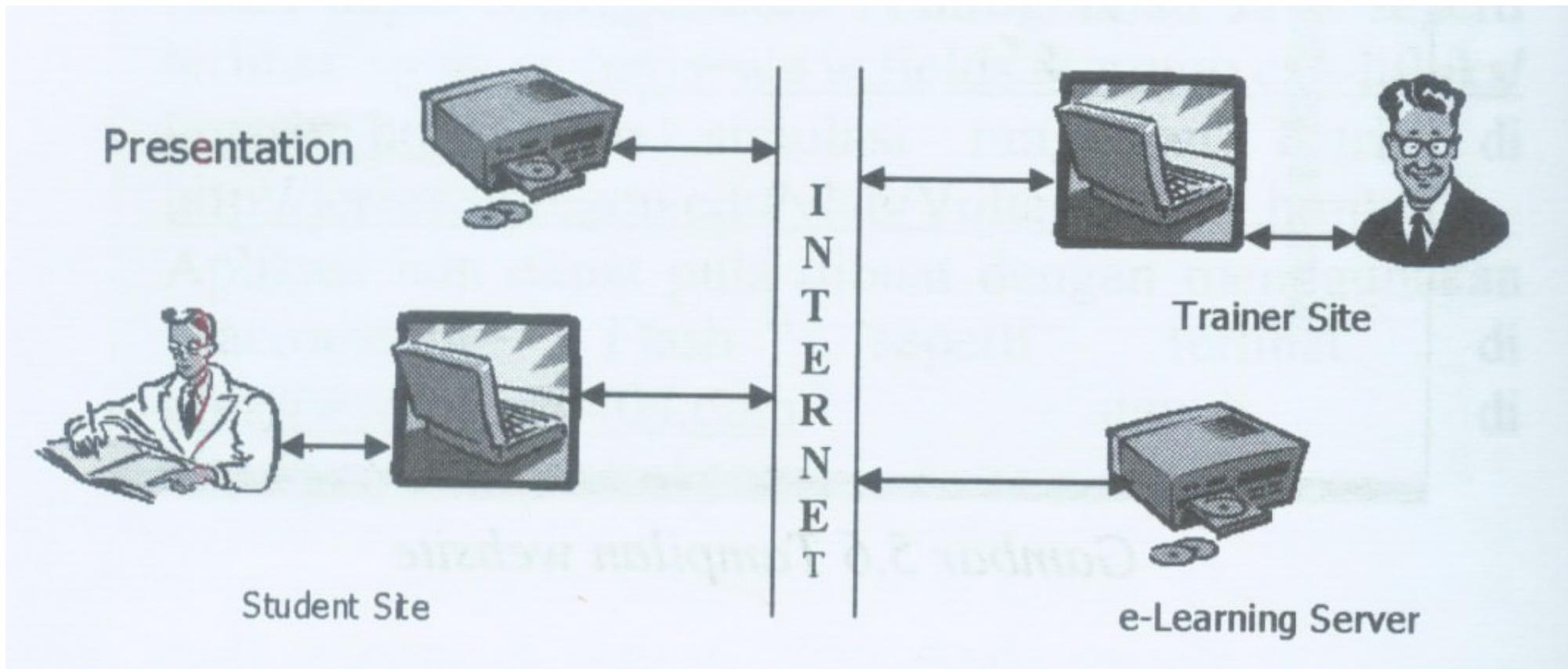
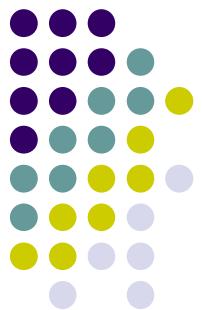
- Kelebihan: siswa dapat mengajukan pertanyaan tentang materi yang sedang diberikan tanpa perlu mengganggu jalannya pelajaran secara keseluruhan.

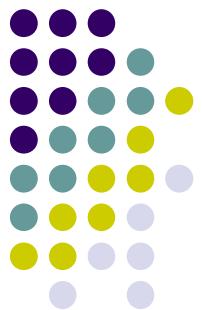
# Implementasi Online Learning Tool Tanpa Audio Video



- Dengan menggunakan sebuah presentation server khusus, pesan dan presentasi dari pengajar didistribusikan secara langsung ke seluruh siswa yang sedang mengikuti pelajaran.

# Implementasi Online Learning Tool Tanpa Audio Video – cont'd

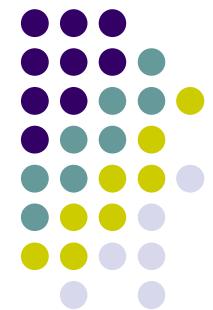




# Learning Tool

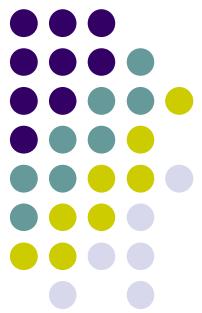
- Offline Learning Tool
- Online Learning Tool Tanpa Audio Video
- Online Learning Tool dengan Audio Video

# Online Learning Tool dengan Audio Video



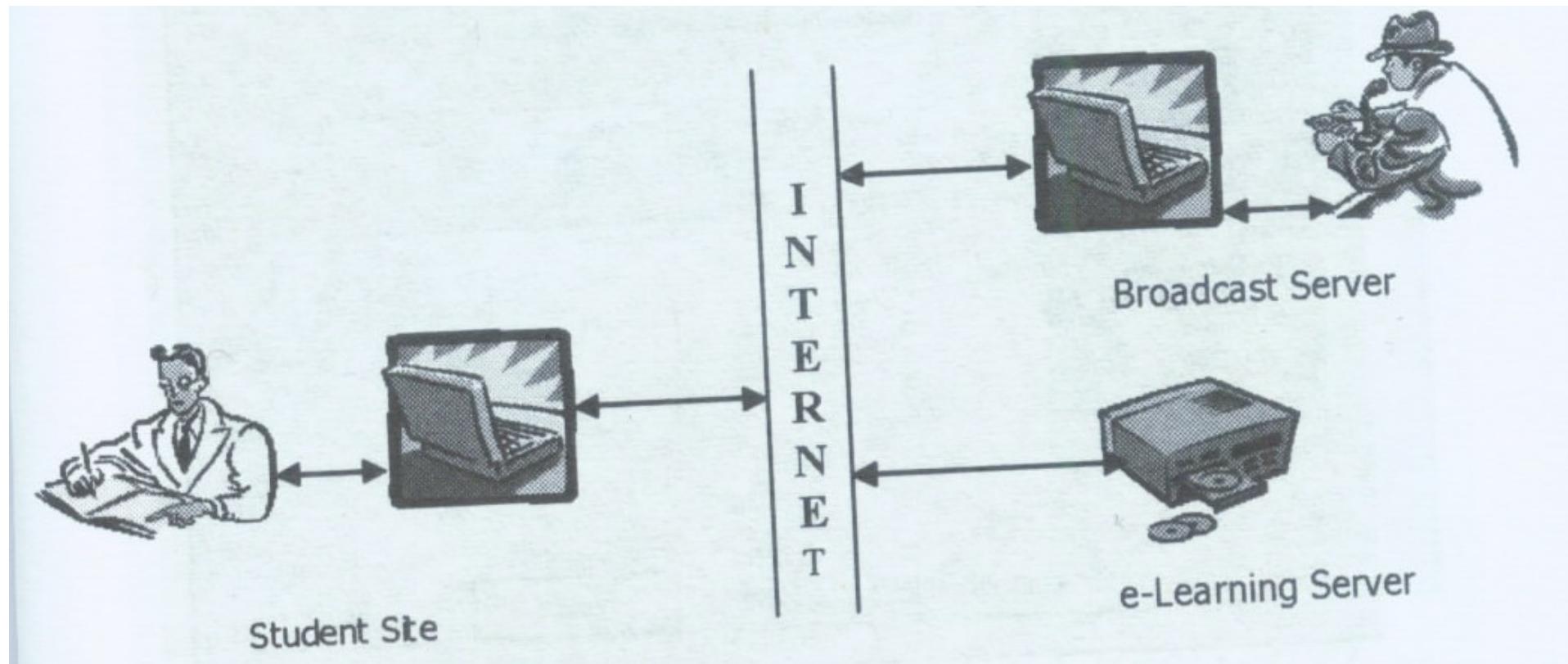
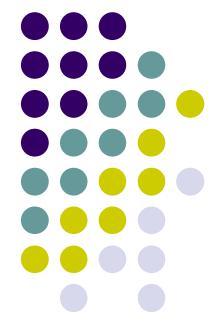
- Software: RealServer dan RealProducerG2

# Implementasi Online Learning Tool dengan Audio Video



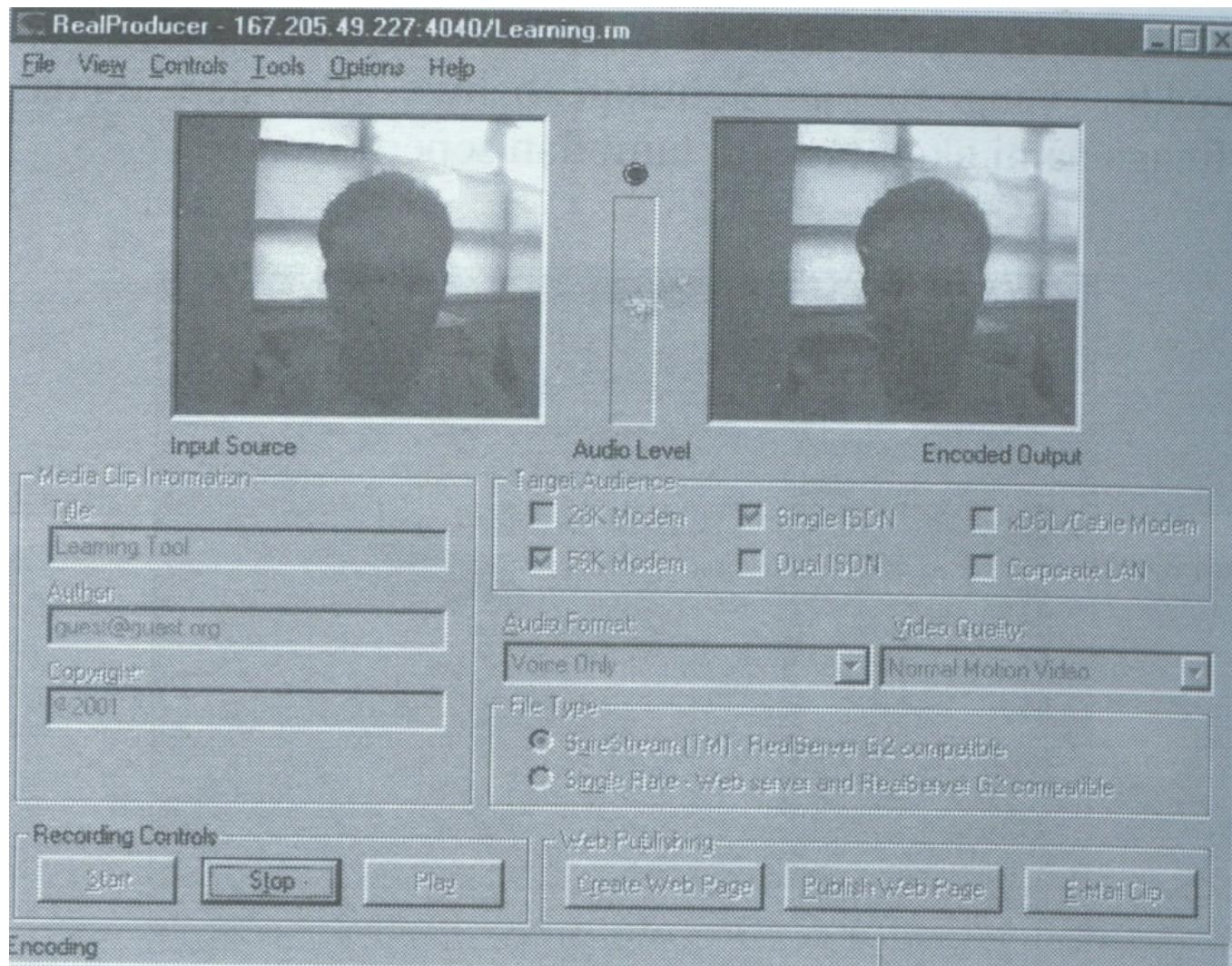
- Memerlukan sebuah server tersendiri yang berfungsi sebagai broadcast server.

# Online Learning Tool dengan Audio Video



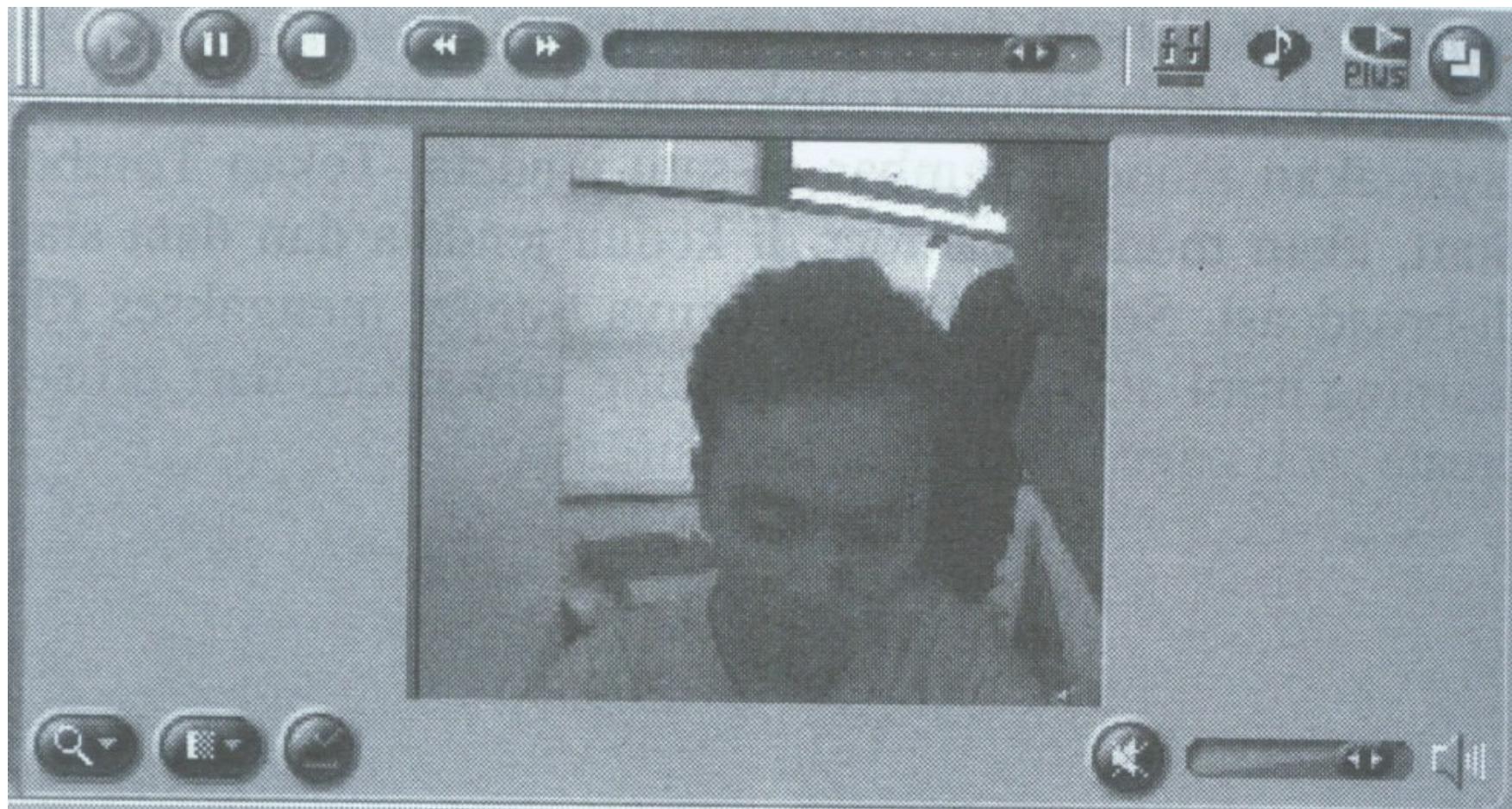


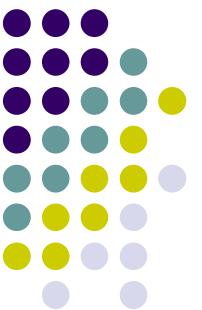
# Tampilan Server



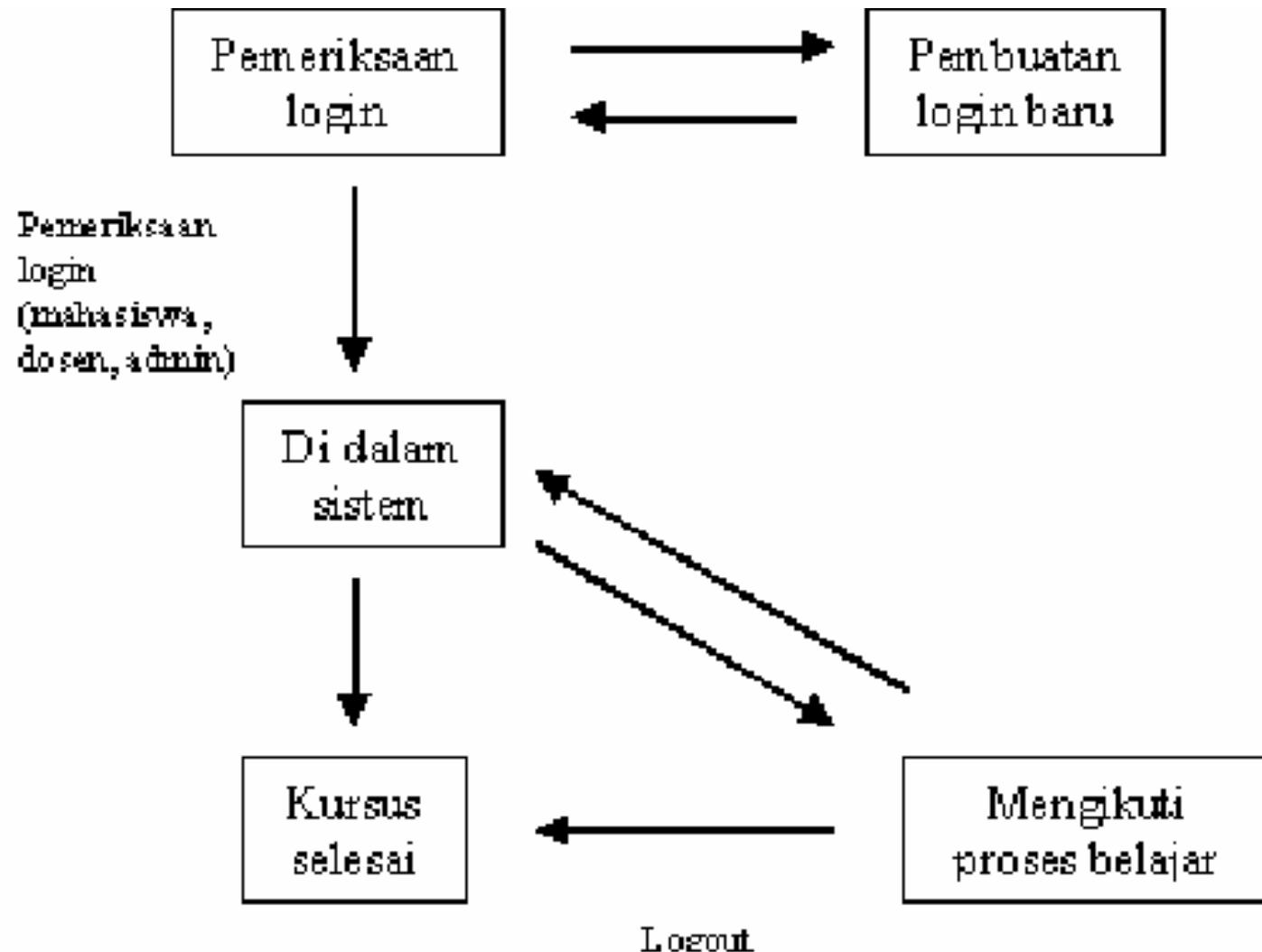


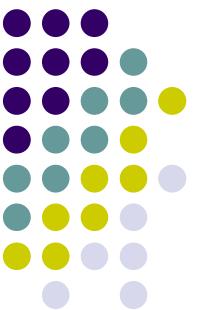
# Tampilan Client





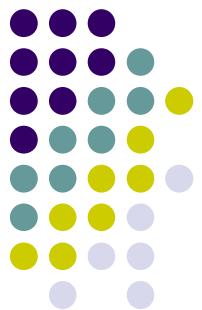
# Aliran Sistem e-Learning





# Contoh Implementasi

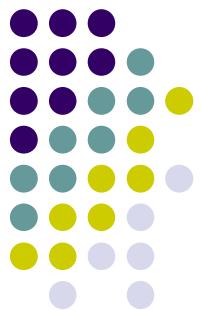
- Administrator
- User : mahasiswa, dosen, asisten, dan sebagainya



# Halaman Utama Administrator

## Administration

[Help](#)[Users](#)[Courses](#)[Groups of users](#)[Categories of courses](#)[Classes of users](#)



# Create a Course Area

Omstrup Helper | My courses list | My profile | My agenda | Logout

**My courses list**

[Create a course area](#)

[Edit my courses list](#)

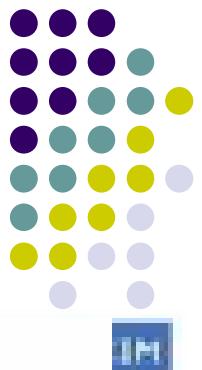
---

[Getting started](#)

[Support forums](#)

[Documentation](#)

[Platform Administration](#)



# Atribut Pada Course

Create a course area

All fields required

Course title :   
e.g. Innovation management

Category :    
This is the department or any other category where the course is delivered

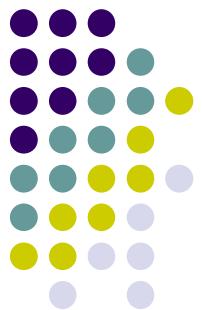
Course code :   
max. 12 characters, e.g. MV1001/21

Teachers :

Language :

Once you click OK, a website with Forum, Agenda, Document manager etc. will be created. Your login, as creator of the website, allows you to modify it along your own requirements.

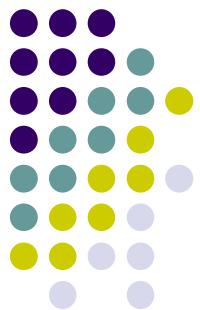
[Restore a course area](#)



# Setelah Create Course

## Create a course area

You just created the course area **HW1**  
[Back to my courses list](#)



# Daftar Course

Omrstrup Holger | My courses list | My profile | My agenda | Logout

## My courses list

- [Method validation](#)  
MVI - Frank Dupond

[Create a course area](#)

## [Edit my courses list](#)

### Last announcements

Monday July 05, 2004

- [MVI](#) - This is an announcement example. Only course teachers are allowed to publish ann

### Agenda next events

Monday July 05, 2004

- [MVI](#) - Course creation

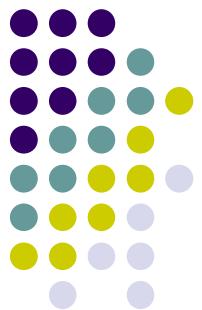
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[Getting started](#)

[Support forum](#)

[Documentation](#)

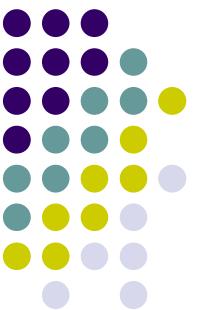
[Platform Administration](#)



# Halaman Utama Administrator

## Administration

[Help](#)[Users](#)[Courses](#)[Groups of users](#)[Categories of courses](#)[Classes of users](#)



# Menambahkan User Satu per Satu

## Users

Show users subscribed to this course :

Keyword :

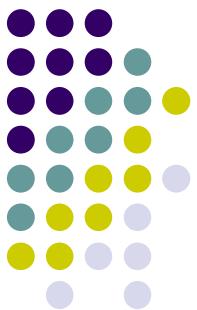
[Add users](#) | [Export the user list](#)

[Previous page](#) | [Next page](#)

ID	Official code	Last name / First name	Login	Phone	Status	Actions
1		<a href="#">Ørnstrup Holger</a>	admin		Teacher/Leader	<a href="#">Modify</a> <input type="button" value="Delete"/>

[Previous page](#) | [Next page](#)

# Form yang Harus Diisi Ketika Menambahkan User



## Add users

Last name :

First name :

Official code :

E-mail address :

Phone number :

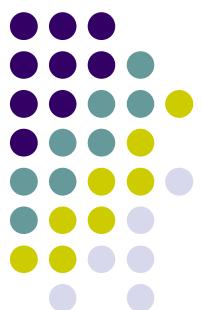
Add a picture :

Login :

Status :

Platform administrator :  Yes  No

[Import a list of users from an XML/CSV file](#)

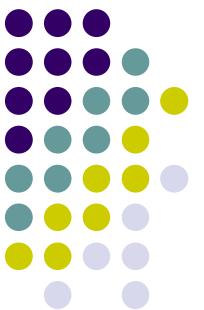


# Menambahkan User Dengan Daftar

Import a list of users from an XML/CSV file

Location of the CSV / XML file:

File type:  XML  
 CSV (must use the ";" character as a separator)



# Halaman Utama Teacher

[Student View](#) | [Teacher View](#)

 [Help](#)

This is the introduction text. To replace it by your own text, click below on the pencil.

---

 <a href="#">Course description</a>	 <a href="#">Agenda</a>
<a href="#">Hide</a>	<a href="#">Hide</a>
 <a href="#">Documents</a>	 <a href="#">Learning Path</a>
<a href="#">Hide</a>	<a href="#">Hide</a>
 <a href="#">Links</a>	 <a href="#">Announcements</a>
<a href="#">Hide</a>	<a href="#">Hide</a>

---

**Teachers only**

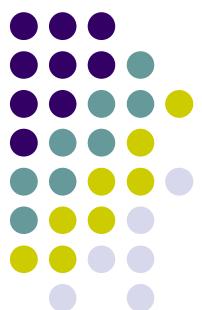
 [Tracking](#)       [Add a link](#)

 [Course settings](#)

---

Hidden tools and links

 <a href="#">Forums</a>	 <a href="#">Dropbox</a>
<a href="#">Show</a>	<a href="#">Show</a>
 <a href="#">Tests</a>	 <a href="#">Users</a>
<a href="#">Show</a>	<a href="#">Show</a>
 <a href="#">Groups</a>	 <a href="#">Chat</a>
<a href="#">Show</a>	<a href="#">Show</a>
 <a href="#">Conference</a>	 <a href="#">Assignments</a>
<a href="#">Show</a>	<a href="#">Show</a>



# Agenda

[Student View](#) | [Teacher View](#)

## Agenda



July 2004

Mon	Tue	Wed	Thu	Fri	Sat	Sun
				1	2	3
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	<a href="#">22</a>	23	24	25
<a href="#">26</a>	27	28	29	30	31	

[Add new Agenda Item](#)

[Newest items first](#)

[Show All Agenda Items](#)

July 2004

**Thursday July 22, 2004 06:03 PM**  
**This is the start of a fantastic course.**

This course has been created on this moment.





# Tampilan Untuk Men-Setting Course

## Course settings



Course code :

Teacher :

Title :

Category :

Department :

Department URL :

Language :

This language will be valid for every visitor of your course's website.

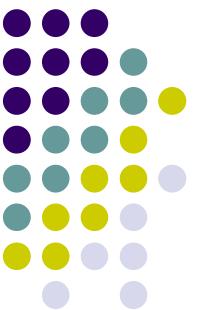
Course access :  Public access from portal home page even without login  
 Private access (site accessible only to people on the [User list](#))

Subscription :  Allowed  
 Denied

By default your course is public. But you can define the level of confidentiality above.

---

[Archive this course area](#) | [Delete the whole course area](#)



# Chat

Chat  Help



**Einstein Albert** : Dear all, welcome to our first chat



**Ritter Rose** : Finally we can discuss on-line. I have a question on test 1.



**Einstein Albert** : Go ahead



**Ritter Rose** : Is it your intention that we shall send all the answers in one file.



**Einstein Albert** : yes, all in one file. It is most convenient for me.

# Question ?

---

End of Session

