

# TECHNOLOGIES AND STRATEGIES FOR PROVIDING EDUCATION THROUGH OPEN AND DISTANCE LEARNING SYSTEM AT REMOTE REGIONS IN INDONESIA (CASE STUDY AT PONTIANAK, WEST KALIMANTAN, INDONESIA)

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## Abstract

As we know that technology helps many people in the world whatever their fields. One of the main benefit of the technology is the helping distance teaching and learning. Technology here is the main support for the educational development in the most remote regions in Indonesia. Many people use the advanced technologies, such as internet, as the main wares of the educational development. They promote the using of internet in many schools in Indonesia, specially in remote regions, such as remote regions in Sumatera, Kalimantan, Sulawesi and Papua. Today, most of the students in such remote regions always have fun in their study with internet as the advanced technology. Technology has enchaned teaching and learning method in Indonesia, Specially in remote region. Many Students has used advanced technology, such as computer in the classroom, new website, interactive key board, Blog and wikis, in this case, Web 2.0 that implemented in the class, so the students can have much more dialogues, digest dialogues, ideas and brainstorming. Beside that kinds, wireless microphone, mobile and digital game, also to be the other alternatives of the advanced technologies in enchaned teaching and learning sys tem. Distance educational system by using advanced technologies make the goal of international education system become more achievable and more accessible to all students. Here, Technology has more contributions to the enchaned teaching and learning system, like what display in this site: <http://www.slideshare.net/NA Suprawoto/penggunaan-internet-dalam-pembelajaran-matematika-di-sd>.

Here, Online tutorial is the most favourable mechanism for providing education through Open and Distance Learning System all over the world. Online tutorial gives the students so many things and choices for learning, beginning from the materials of studies, the choices of books shopping, various literatures at online library, various kind of friends for communicating between one student to another.

So, Technologies and Online Learning Strategies can provide education through Open and Distance Learning System at Remote Regions in Indonesia.

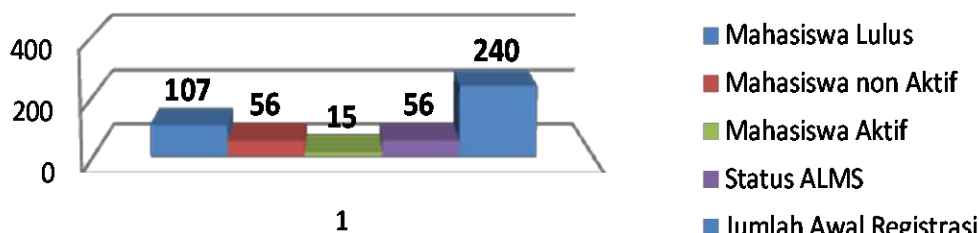
## Introduction

As we know that technology helps many people in the world whatever their fields. One of the main benefit of the technology is the helping distance teaching and learning. Technology here is the main support for the educational development in the most remote regions in Indonesia. Many people use the advanced technologies, such as internet, as the main wares of the educational development. They promote the using of internet in many schools in Indonesia, specially in remote regions, such as remote regions in Sumatera, Kalimantan,

Sulawesi and Papua. I Observed at West Kalimantan, Pontianak, Indonesia. Pontianak is stated at Equator Line, Kalimantan Island, located at North of Jakarta, Indonesia.

Today, Specially at West Kalimantan, Most of the Open University's Students always uses the internet materials facilities. The Most Students of Post Graduate at Pontianak ODL Unit uses the online tutorial as their studies materials. Here, the Datas about the Graduation Numbers of Post Graduate Students at Pontianak ODL Unit since 2006-2012 that using online tutorial materials :

### NUMBERS OF GRADUATION OF POST GRADUATE STUDENTS AT PONTIANAK ODL UNIT 2006-20012



Sources: Pontianak ODLUnit

From datas above, at Pontianak ODL unit (study scale 2006-2012), we can know that The large numbers of Post Graduate Students at Pontianak ODL unit could finish their study -on time (in 3 years). Eventhough, they study with ODL

System by using Indonesia Open University Website.

The Next, we can know about datas of Online Tutorial using at Pontianak ODL Unit, here we are :

### DATAS OF ONLINE TUTORIAL USING AT PONTIANAK ODL UNIT POST GRADUATE PROGRAMS 2006-20012

| No | Departemens                  | Location of Study | Number of Students | Percentage of Using ODL ( % ) | Final Result of ODL |
|----|------------------------------|-------------------|--------------------|-------------------------------|---------------------|
| 1  | Magister Administrasi Publik | Sintang           | 120                | 100                           | Thesis              |
|    |                              | Landak            | 5                  | 100                           | Thesis              |
|    |                              | Kapuas Hulu       | 12                 | 100                           | Thesis              |
|    |                              | Bengkayang        | 26                 | 100                           | Thesis              |
| 2  | Magister Manajemen           | Singkawang        | 34                 | 100                           | On Process Thesis   |
|    |                              | Kapuas Hulu       | 35                 | 100                           | Thesis              |
| 3  | Magister Manajemen Perikanan | Pontianak         | 13                 | 100                           | Thesis              |
|    |                              | Final Total       | 245                |                               |                     |

Sources: UPB JJ-UT Pontianak 2012

From the datas above we can know that all Post Graduate Programme Students always use the online tutorial facilities and Indonesia open university website (100%). Even, They all can finish their thesis till the end. Eventhough, they learned with ODL. They all from remotes area at West Kalimantan, Indonesia.

Today, most of the students in such remote regions always have fun in their study with internet as the advanced technology. Technology has enchaned teaching and learning method in Indonesia, Specially in remote region. Many Students

has used advanced technology, such as **computer in the classroom, new website, interactive key board, Blog and wikis, in this case, Web 2.0 that implemented in the class, so the students can have much more dialogues, digest dialogues, ideas and brainstorming.** Beside that kinds, wireless microphone, mobile and digital game, also to be the other alternatives of the advanced technologies in enchaned teaching and learning system. Distance educational system by using advanced technologies make the goal of international education system become more achievable and more

accessible to all students. Here, Technology has more contributions to the enhanced teaching and learning system, like what display in this site:  
<http://www.slideshare.net/NASuprawoto/pen>

[ggunaan-internet-dalam-pembelajaran-matematika-di-sd.](#)

Datas at Pontianak ODL about Online materials shows :

DATAS OF ONLINE TUTORIAL MATERIALS USING AT PONTIANAK ODL UNIT, INDONESIA  
 POST GRADUATE PROGRAMS 2006-20012

| No | Departements                  | Location of Study | Number of Students | Online Materials                                                                                                    | Final Result ODL  |
|----|-------------------------------|-------------------|--------------------|---------------------------------------------------------------------------------------------------------------------|-------------------|
| 1  | Magister Administrasi Publik  | Sintang           | 120                | Modul (Printed Learning Materials), Compact Disk, Internet Facilities, Indonesia open university website            | Thesis            |
|    |                               | Landak            | 5                  | Modul (Printed Learning Materials), Compact Disk, Internet Facilities, Indonesia open university website            | Thesis            |
|    |                               | Kapuas Hulu       | 12                 | Modul (Printed Learning Materials), Compact Disk, Internet Facilities Facilities Indonesia open university website  | Thesis            |
|    |                               | Bengkayang        | 26                 | Modul (Printed Learning Materials), Compact Disk, Internet Facilities, Indonesia open university website            | Thesis            |
| 2  | Magister Manajemen            | Singawang         | 34                 | Modul (Printed Learning Materials), Compact Disk, Internet Facilities Facilities, Indonesia open university website | On Process Thesis |
|    |                               | Kapuas Hulu       | 35                 | Modul (Printed Learning Materials), Compact Disk, Internet Facilities Indonesia open university website             | Thesis            |
| 3  | Magister Manajemen Perikanan  | Pontianak         | 13                 | Modul (Printed Learning Materials), Compact Disk, Internet Facilities, Indonesia open university website            | Thesis            |
| 4  | Magister Manajemen Pendidikan |                   |                    | Modul , Compact Disk, Internet Facilities                                                                           |                   |
|    |                               | Final Total       | 245                |                                                                                                                     |                   |

Sources: UPB JJ-UT Pontianak 2012

From Datas above, we can know about the online software that always be used by Post Graduate Programme Students at Pontianak ODL Unit, Indonesia, easier and simpler for use. So, The Students like to use the website of Indonesia Open University, eventhough they are all seattled at remotes area at West Kalimantan, Indonesia, such as **Sintang** and **Kapuas Hulu**, (Those towns are far away from Pontianak by Aircraft), and

**Bengkayang** is Frontier / Border area at West Kalimantan.

Here, we give the samples of ODL Materials for Hubungan Pusat-Daerah Materials (Centre-Region Government relationship Lecture).We give the samples of materials.

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HUBUNGAN PUSAT DAERAH | BAGAN MINGGUAN



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[RAT dan SATWord document](#)

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UPCOMING EVENTS

There are no upcoming events



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 Pengantar Statistik SosialWord document

This  
week



**Inisiasi 1Bacaan**  
**Diskusi 1Forum**  
**"KLIK" REFERENSI DIGITAL HUBUNGAN PUSAT-DAERAHForum**

10 JULI - 16 JULI



**Inisiasi 2Bacaan**  
**Diskusi 2Forum**

17 JULI - 23 JULI



**Inisiasi 4Bacaan**  
**Diskusi 3Forum**  
**REFERENSI DIGITAL HUBUNGAN PUSAT-DAERAHForum**

24 JULI - 30 JULI



**Inisiasi 3Bacaan**  
**Tugas 1**  
**REFERENSI DIGITAL HUBUNGAN PUSAT-DAERAHForum**

31 JULI - 6 AGUSTUS



**Inisiasi 5Bacaan**  
**TUGAS 2**  
**REFERENSI DIGITAL HUBUNGAN PUSAT-DAERAHForum**

7 AGUSTUS - 13 AGUSTUS



**Inisiasi 6Bacaan**  
**Diskusi 4Forum**  
**REFERENSI DIGITAL HUBUNGAN PUSAT-DAERAHForum**

14 AGUSTUS - 20 AGUSTUS



**Inisiasi 7Bacaan**

21 AGUSTUS - 27 AGUSTUS

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Aktivitas sejak Jumat, 12 Juli 2013, 13:38

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10

 [Tugas 3](#)  
 [BERITA PENTING...!!!Forum](#)  
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28 AGUSTUS - 3 SEPTEMBER

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 [Inisiasi 8Bacaan](#)  
 [Diskusi 5Forum](#)  
 [BERITA PENTING...!!!Forum](#)  
 [REFRENSI DIGITAL HUBUNGAN PUSAT-DAERAHForum](#)

### HUBUNGAN PUSAT DAERAH

|                                                                   |                                                                             |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------|
| Tuton Yang Saya Ikuti<br><input type="text" value="IPEM4425.01"/> | Tidak aktif selama lebih dari<br><input type="text" value="Pilih periode"/> |
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Current role

Semua peserta: 283 📊

(Keanggotaan tidak dipergunakan selama lebih dari 180 hari akan secara otomatis dikeluarkan dari Tuton)

Nama Depan : **Semua** [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)  
 Nama akhir : **Semua** [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)  
 Halaman: ([Sebelumnya](#)) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) ([Selanjutnya](#))

| GAMBAR PENGGUNA                                                                     | NAMA DEPANURUTAN<br>BERDASARKAN NAMA DEPAN<br>URUT NAIK / NAMA AKHIRURUTAN<br>BERDASARKAN NAMA AKHIR<br>URUT NAIK | KOTAURUTAN<br>BERDASARKA<br>N KOTA URUT<br>NAIK | NEGARAU<br>RUTAN<br>BERDASA<br>RKAN<br>NEGARA<br>URUT NAIK | TERAKHIR<br>AKSESURUTAN<br>BERDASARKAN<br>TERAKHIR<br>AKSES URUT<br>TURUN ↑ | PILIHUR<br>UTAN<br>BERDAS<br>ARKAN<br>PILIH<br>URUT<br>NAIK |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------|
|  | <a href="#">MARTINA HESTIS 014367572</a>                                                                          | .                                               |                                                            | 66 hari 21 jam                                                              | <input type="checkbox"/>                                    |
|  | <a href="#">KUSMA 015895191</a>                                                                                   | .                                               |                                                            | 66 hari 22 jam                                                              | <input type="checkbox"/>                                    |
|  | <a href="#">priyanto -</a>                                                                                        | Jakarta                                         | Indonesia                                                  | 67 hari 1 jam                                                               | <input type="checkbox"/>                                    |
|  | <a href="#">M A S R I 015209284</a>                                                                               | .                                               |                                                            | 67 hari 3 jam                                                               | <input type="checkbox"/>                                    |
|  | <a href="#">TEGUH MULYONO 017986724</a>                                                                           | Tambak<br>Banyumas                              | Indonesia                                                  | 68 hari 19 jam                                                              | <input type="checkbox"/>                                    |

|                                                                                     |                                                          |                         |           |                |                          |
|-------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------|-----------|----------------|--------------------------|
|    | <a href="#"><u>ULY SUPRAYOGI 018479369</u></a>           | Jakarta                 | Indonesia | 68 hari 21 jam | <input type="checkbox"/> |
|    | <a href="#"><u>SRI ANDANI FITRIANISYAH 014710925</u></a> | .                       |           | 68 hari 22 jam | <input type="checkbox"/> |
|    | <a href="#"><u>MUHAMMAD RIDWAN 017231629</u></a>         | Sambas                  | Indonesia | 69 hari        | <input type="checkbox"/> |
|    | <a href="#"><u>WINI NOVITA 016014571</u></a>             | .                       |           | 69 hari 1 jam  | <input type="checkbox"/> |
|    | <a href="#"><u>ISILATINA 017082079</u></a>               | .                       |           | 69 hari 2 jam  | <input type="checkbox"/> |
|    | <a href="#"><u>ADI PUTRA NOVRIONO 016282568</u></a>      | .                       | Indonesia | 69 hari 2 jam  | <input type="checkbox"/> |
|    | <a href="#"><u>HERU NURFAHMI 018075915</u></a>           | Tegal                   | Indonesia | 69 hari 2 jam  | <input type="checkbox"/> |
|    | <a href="#"><u>ENNY NASIRWAN 015553632</u></a>           | .                       |           | 69 hari 2 jam  | <input type="checkbox"/> |
|   | <a href="#"><u>YATTI D OEMANU 014079176</u></a>          | .Kupang                 | Indonesia | 69 hari 3 jam  | <input type="checkbox"/> |
|  | <a href="#"><u>ADY TRI YANDHONO 016148309</u></a>        | .                       | Indonesia | 69 hari 5 jam  | <input type="checkbox"/> |
|  | <a href="#"><u>SIMON BATU PATIONA 018783301</u></a>      | .Lew oleba -<br>Lembata | Indonesia | 69 hari 11 jam | <input type="checkbox"/> |
|  | <a href="#"><u>ASEP PRAMIADI 016153966</u></a>           | .                       |           | 69 hari 15 jam | <input type="checkbox"/> |
|  | <a href="#"><u>ELAH NURLAELAH 016736962</u></a>          | Batam                   | Indonesia | 69 hari 21 jam | <input type="checkbox"/> |
|  | <a href="#"><u>RIAN SAPUTRA 016087724</u></a>            | muntok bangka<br>barat  | Indonesia | 69 hari 21 jam | <input type="checkbox"/> |
|  | <a href="#"><u>RIAN DWI SURYA 016133093</u></a>          | tegal                   | Indonesia | 69 hari 23 jam | <input type="checkbox"/> |

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Dengan pengguna yang dipilih...

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Here, Online tutorial is the most favourable mechanism for providing education through Open and Distance Learning System all over the world, even at remotes Areas, like West Kalimantan. Online tutorial gives the

students so many things and choices for learning, beginning from the materials of studies, the choices of books shopping, various literatures at online library, various kind of friends for

communicating between one student to another.

The problem solving for overcoming the signal trouble at remote areas for connecting ODL Website at Remote Areas is used to use modem, Blue Tooth, or Wi fi. So, Technologies and Online Learning Strategies can provide education through Open and Distance Learning System at Remote Regions in Indonesia.

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