



for



The Experience of Indonesia

Tian Belawati

Rector of Universitas Terbuka

**President of the International Council for Open and Distance
Education (ICDE)**

ASEM Forum on Lifelong Learning

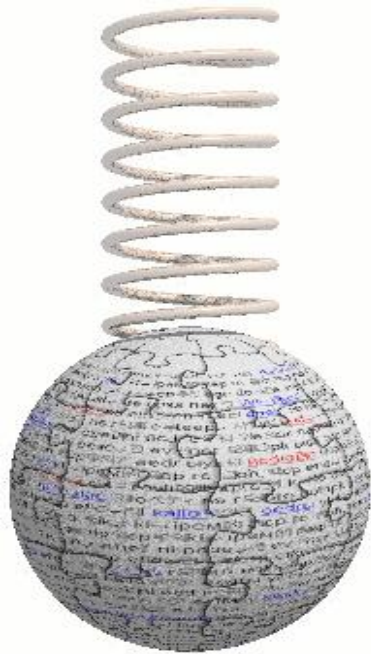
Nusa Dua Bali, 11 March 2015



Learning throughout life

Improving personal knowledge, skills and competences

Formal, non-formal, or informal



Flexible learning/education system
Learning for anyone, anywhere, anytime
... beyond schooling

OPEN
EDUCATION

Public good
Eliminate hindrances

Driving Factors

Revisited



- 67 million children & 74 million adolescents are out of school
- 793 million lack basic literacy skills
- 100 – 150 million new places for HE are needed before 2025



- **Everywhere we turn, everything changes rapidly**

Enabling Factors

- **The emergence of new technologies**
 - Hardware is getting smaller and cheaper
 - Software is getting more interactive - new generation of www



Everyone writes, makes videos, publishes, shares, comments everyone reads, watches, downloads, uses, remixes, republishes

Enabling Factors

- **Global open movement**

- **Open source software**

- **Open content**

- *Learning Object (LO) or Learning Object Materials (LOM)*

- *Open Courseware (OCW)*

- *Open Educational Resources (OERs)*

- **Open license**

- *Creative Commons* 



- **OER University**

- *All you need is an internet connection, and you can study with us – no matter where you live! Study online for free, using open educational resources. Get your study credited towards an academic qualification, while paying significantly reduced fees*
- All course materials are OERs using creative commons licensing.



2008



- George Siemens & Stephen Downes (the University of Manitoba, Canada) --- **cMOOC**: Connectivism and Connective Knowledge attended by 25 paying students and 2,200 free of charge students



- The first American MOOC was offered by Sebastian Thrun of Stanford University for the course titled: *Introduction to Artificial Intelligent*, participated by 160,000 students from all over the world --- xMOOC

2011



2007 - The Cape Town Open Education Declaration: Unlocking the promise of open educational resources

- Encourage educators and learners to actively participate in the emerging open education movement.
- Call on educators, authors, publishers and institutions to release their resources openly.
- Call on governments, school boards, colleges and universities to make open education a high priority.

2012 - OER Paris Declaration

Recommends that States, within their capacities and authority:

- Foster awareness and use of OER and ICT for education.
- Reinforce the development of strategies and policies on OER; including the development and adaptation of OER, foster strategic alliances for OER. as well as conducting research on OER.
- Promote the understanding and use of open licensing frameworks & Encourage the open licensing of educational materials produced with public funds.

2014 – Bali Message

- Access to, and success in, open, online and flexible learning are key solutions to the pressing development challenges and needs of 21st century societies
- Encourage governments to create favorable frameworks for opening up education, stimulate the use of OER, enable learner mobility , encourage the adoption of quality standards, guidelines and benchmarks for open, online and distance learning, foster innovation, and invest in research on best practices in open, online, distance and flexible education

Commitment of Educators

- **June 2015 - UNESCO-ICDE** High Level Policy Forum on ICT for Education in Paris
- **October 2015- ICDE, UNESCO & Commonwealth of Learning** High Level Policy Forum on quality open, online, flexible education and eLearning as part of the post 2015 education agenda in Pretoria

Indonesia's Case

The Challenge

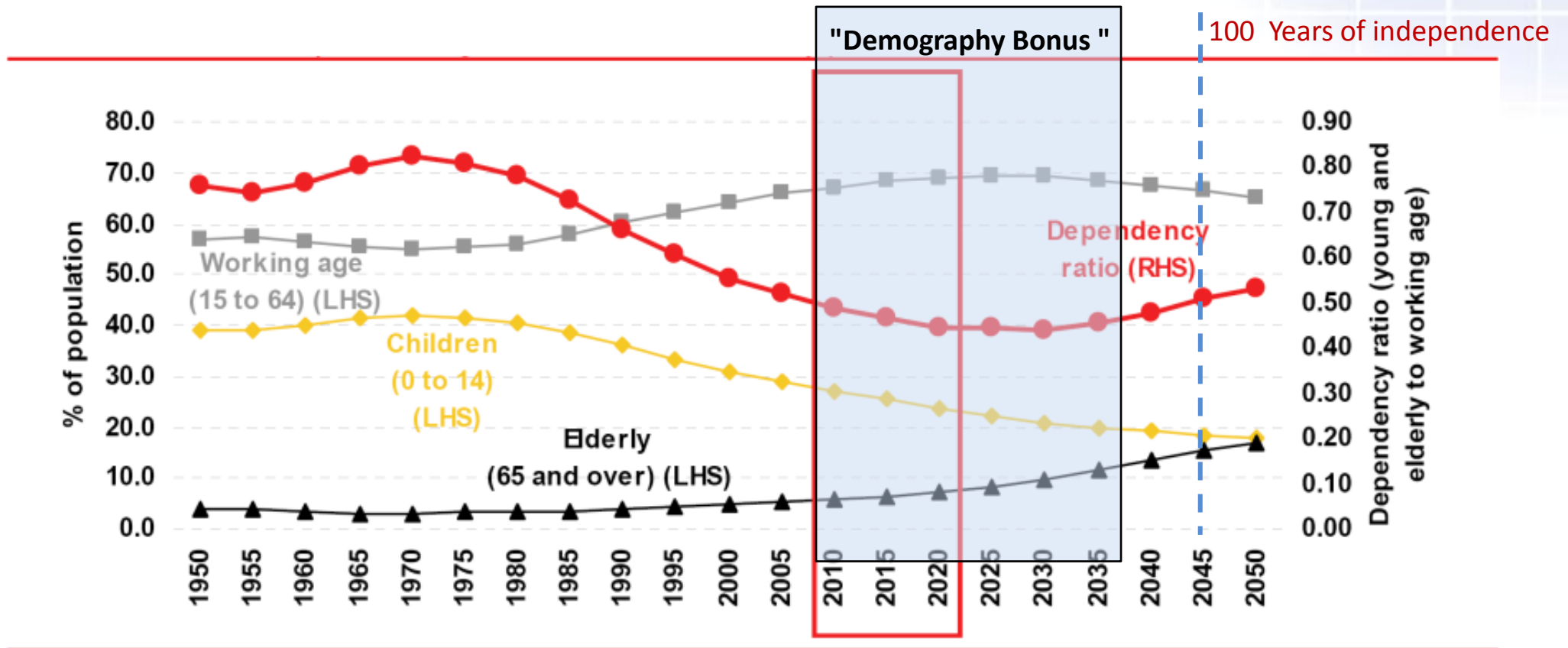


....Indonesia's economy has enormous promise...

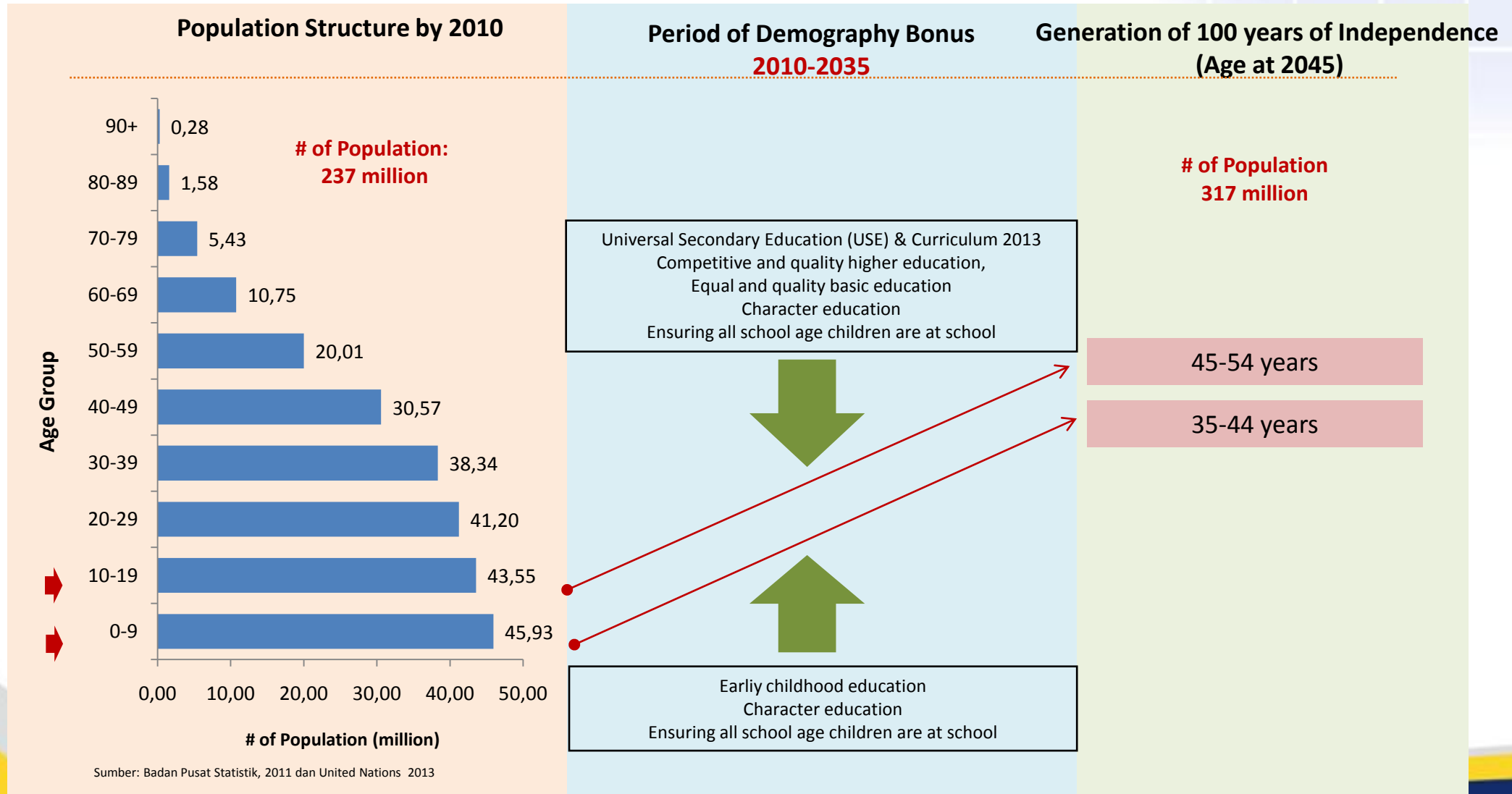
.... Indonesia's recent impressive economic performance is not widely understood

Source: *Archipelago Economy: Unleashing Indonesia's Potential* (McKinsey Global Institute, 2012)

Demography Bonus for Indonesia 2045

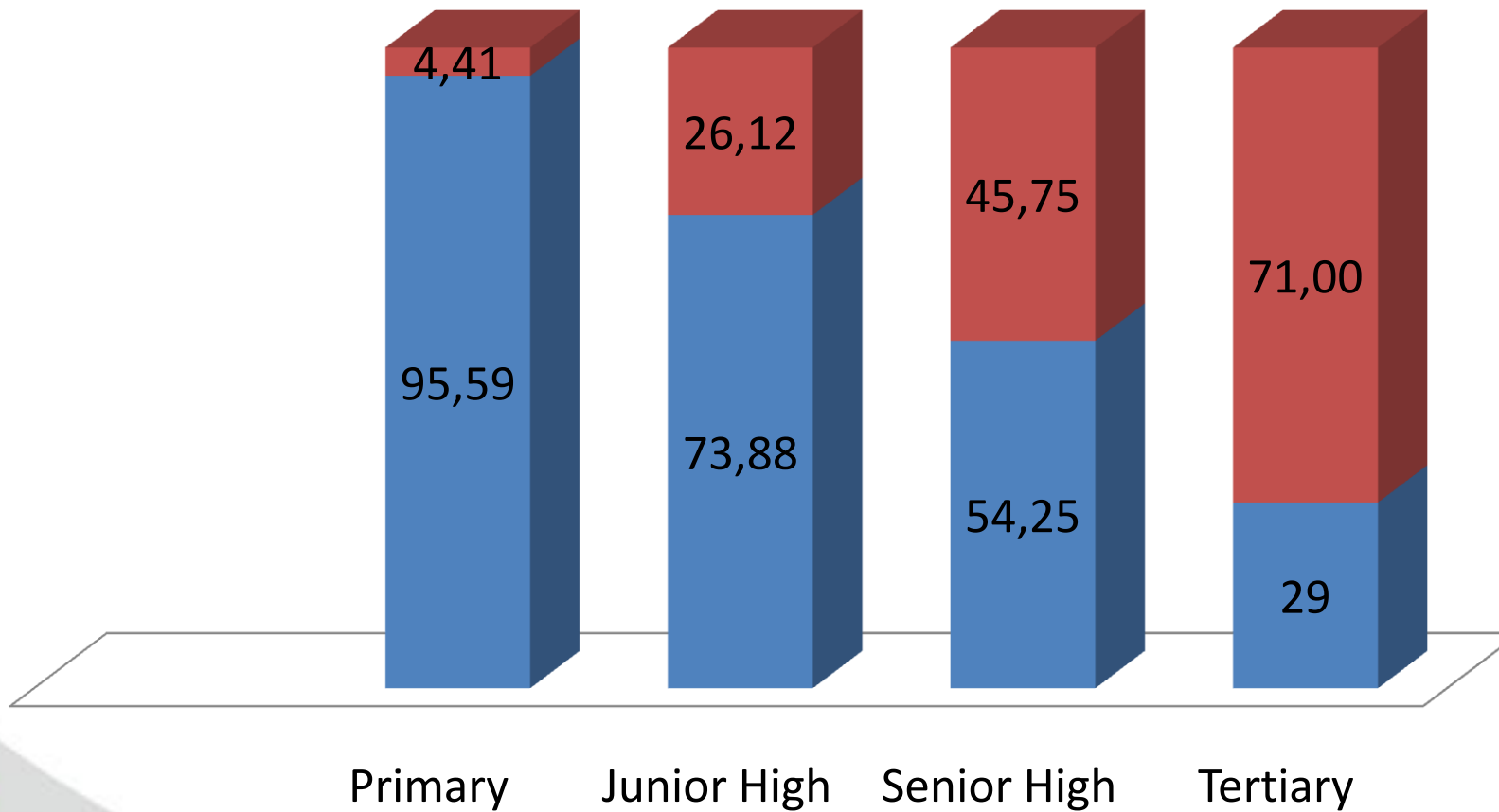


Golden Generation

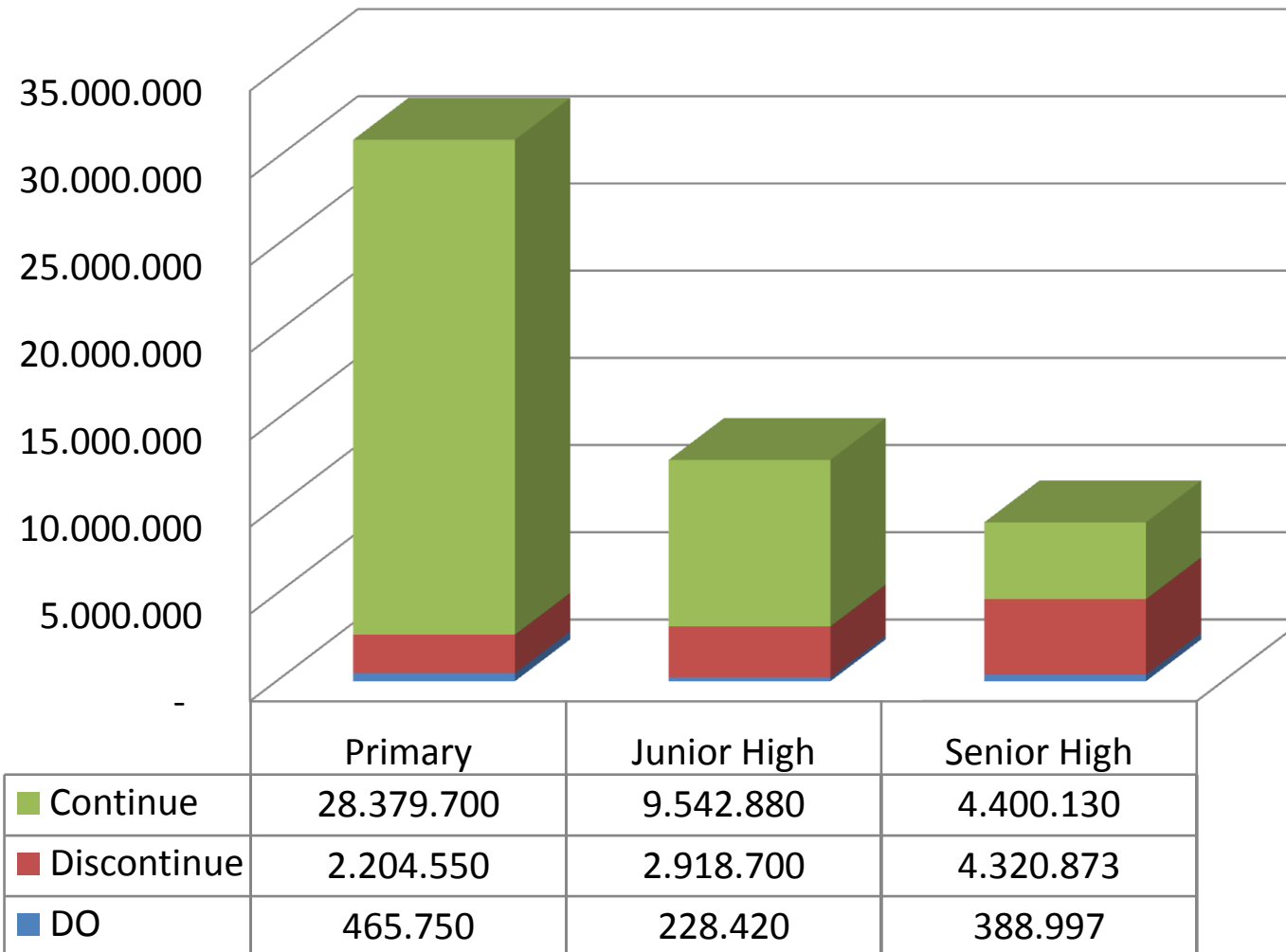


Indonesian Condition

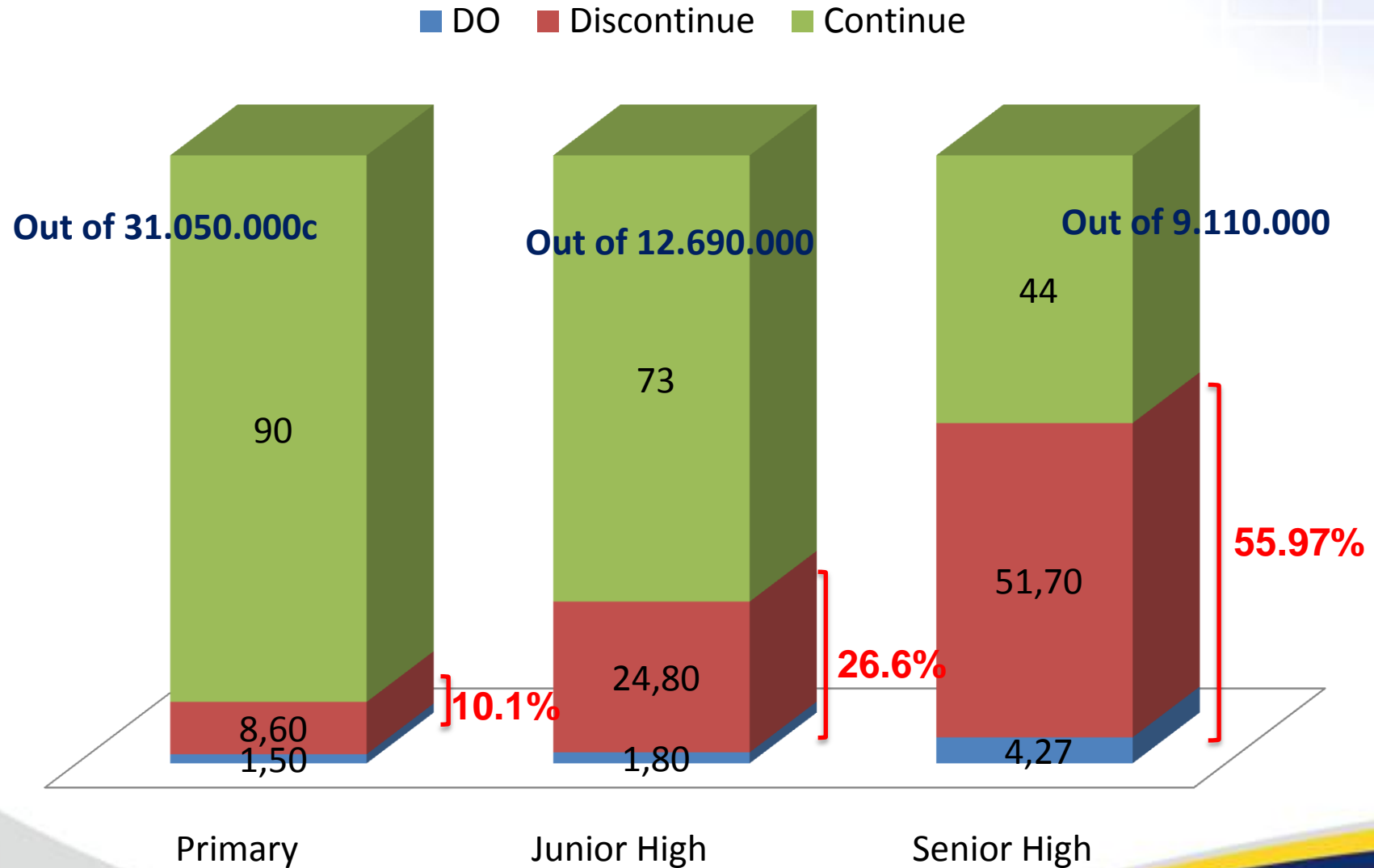
■ Participation Rates ■ Non-Participation Rates



Indonesian Condition



Indonesian Condition



LLL in Primary/Secondary Education

Kejar Paket A/B/C (A/B/C Package)

- Night schooling, home schooling, etc. through Pusat Kegiatan Belajar Masyarakat (PKBM) – Community Learning Centers that are certified and authorized by the Ministry of Education
- 4-6 months
- Equivalency examination of Primary/Secondary School

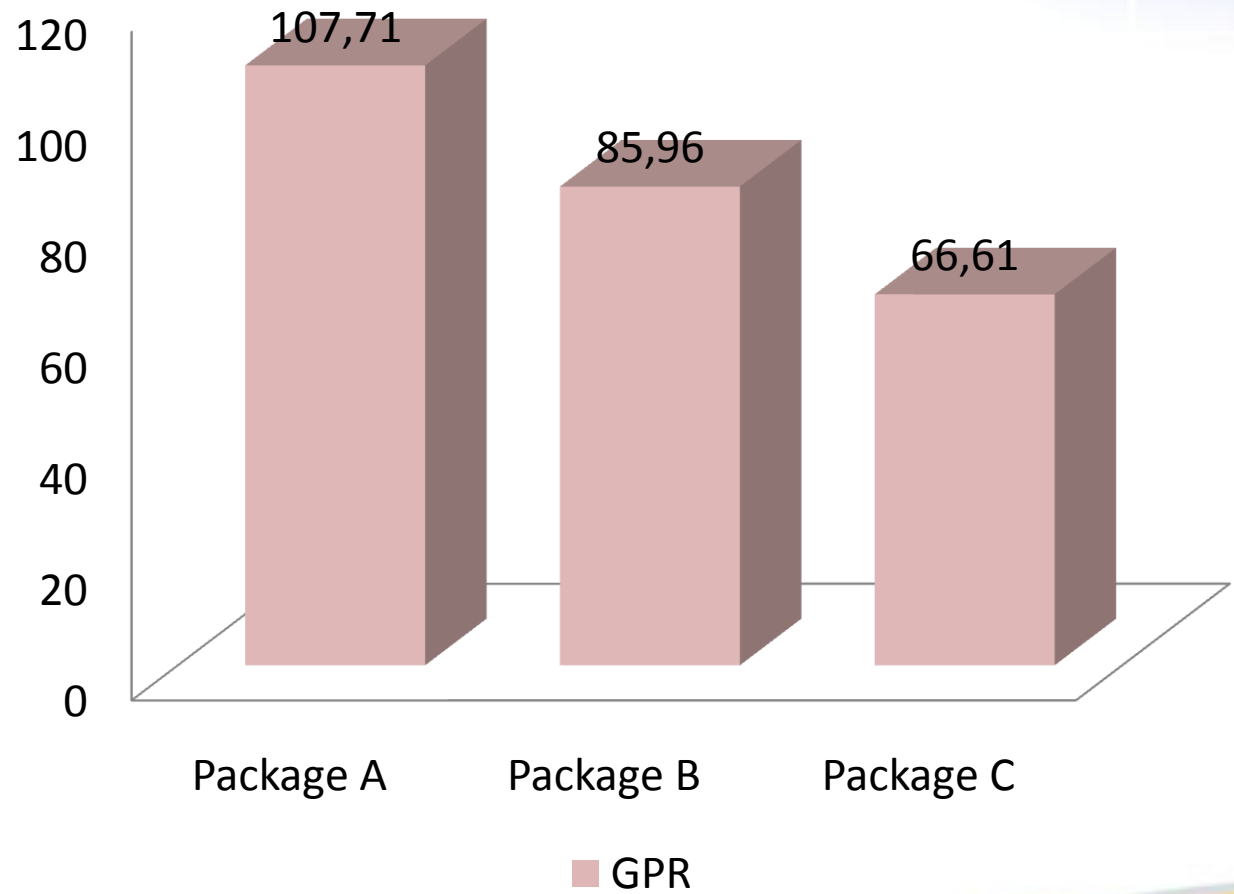


*Program Pendidikan Kesetaraan
Kejar Paket A, B dan C*

PSB Kejar Paket "C"
(Penerimaan Siswa Baru)



LLL in Primary/Secondary Education



LLL for Primary/Secondary Education



- 12.934 free online learning materials
- 1.331 free e-books for the curriculum
- Clinic and consultancy for teachers
- Portal of Open High School (80% online – 20% face-to-face)

The establishment of Universitas Terbuka



Established in 1984

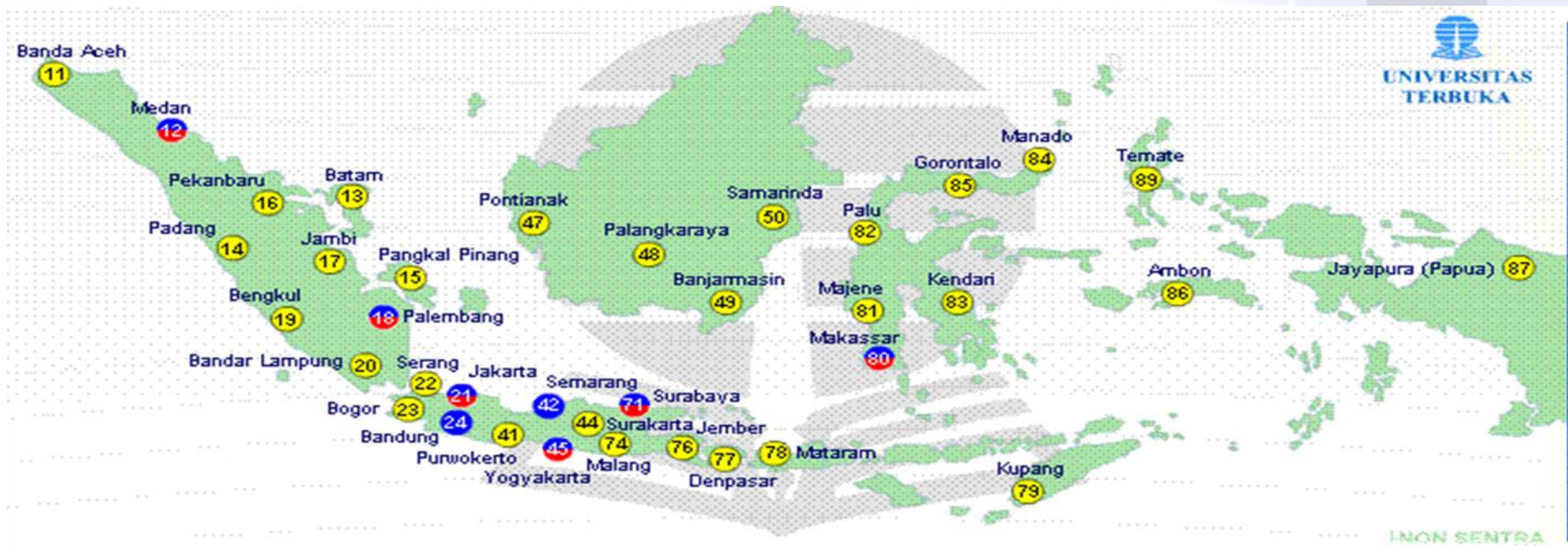
- single mode **Open and Distance Learning (ODL)** university,
- the only tertiary institution in Indonesia using exclusively distance education mode of delivery.

Main mission:

- to widen access to a quality higher education service through ODL
- to provide the opportunity for lifelong learning

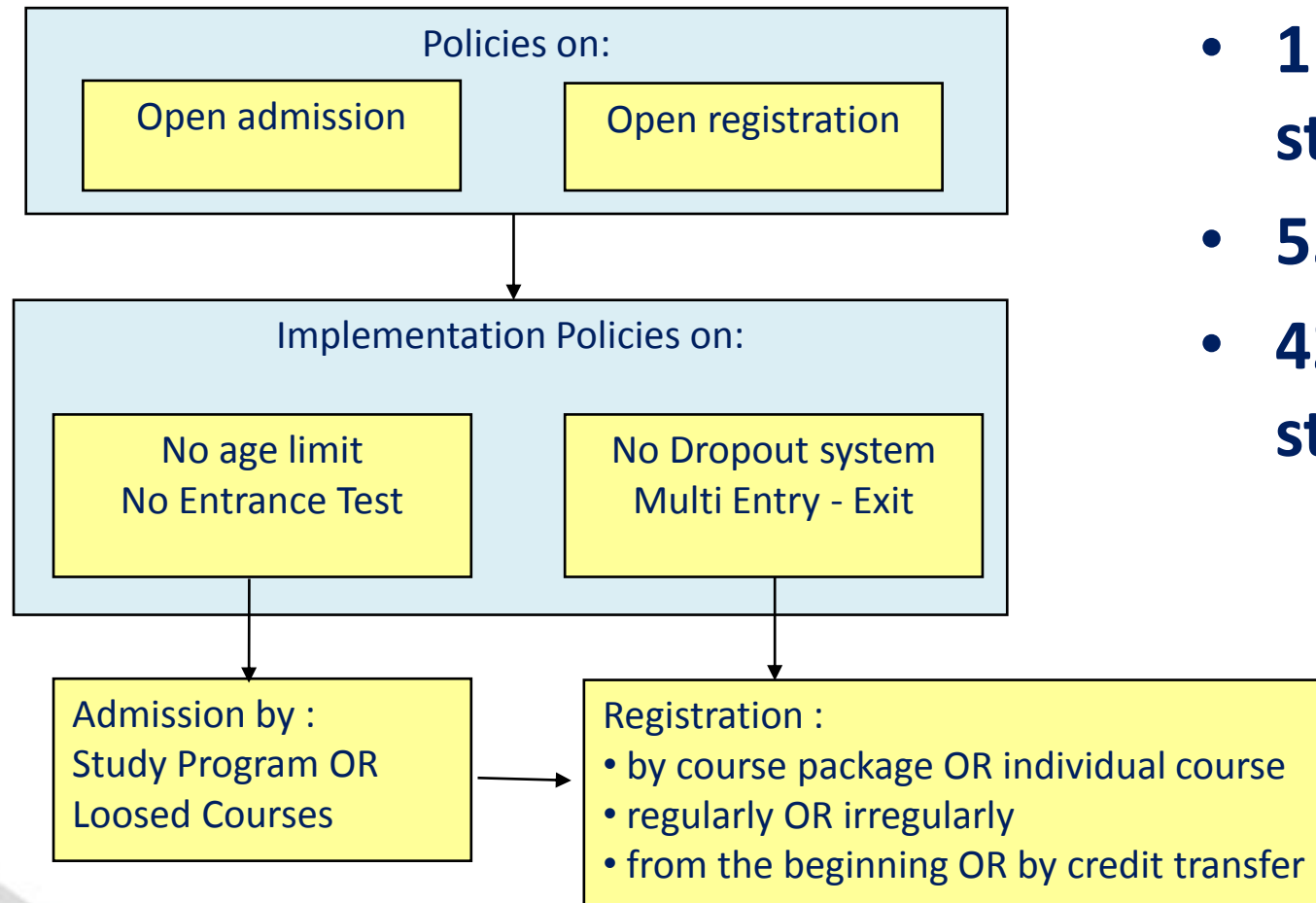


Operational Scale



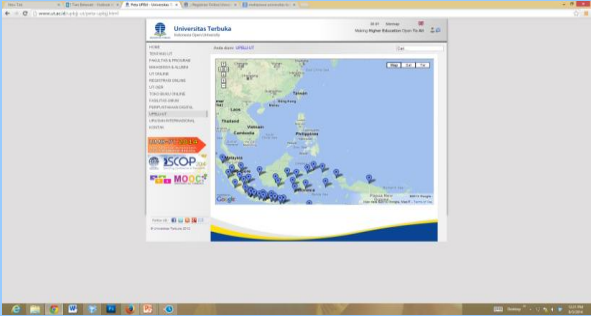
- | | | | | | |
|---------------|----------------|----------------|---------------|------------------|-----------------|
| 1. Banda Aceh | 7. Jambi | 13. Serang | 19. Surabaya | 26. Palangkaraya | 33. Gororontalo |
| 2. Medan | 8. Palembang | 14. Bandung | 20. Malang | 27. Banjarmasin | 34. Ambon |
| 3. Batam | 9. Bengkulu | 15. Purwokerto | 21. Jember | 28. Samarinda | 35. Ternate |
| 4. Padang | 10. B. Lampung | 16. Semarang | 22. Denpasar | 29. Makassar | 36. Jayapura |
| 5. P.I Pinang | 11. Jakarta | 17. Surakarta | 23. Mataram | 30. Palu | 37. Majene |
| 6. Pekanbaru | 12. Bogor | 18. Yogyakarta | 24. Kupang | 31. Kendari | 38. Sorong |
| | | | 25. Pontianak | 32. Manado | 39. Abroad |

Open Policy




- **1.2 million enrolled students**
- **550 active students**
- **426.503 registered students (2015.1)**

Flexible Learning System



Registration



Independent Learning



Assessment



Learning Support System

Digital Library : e-books, e-journals, thesis, OERs/SUAKA, dissertation, research report



Room



>1.000 Learning Material Packages

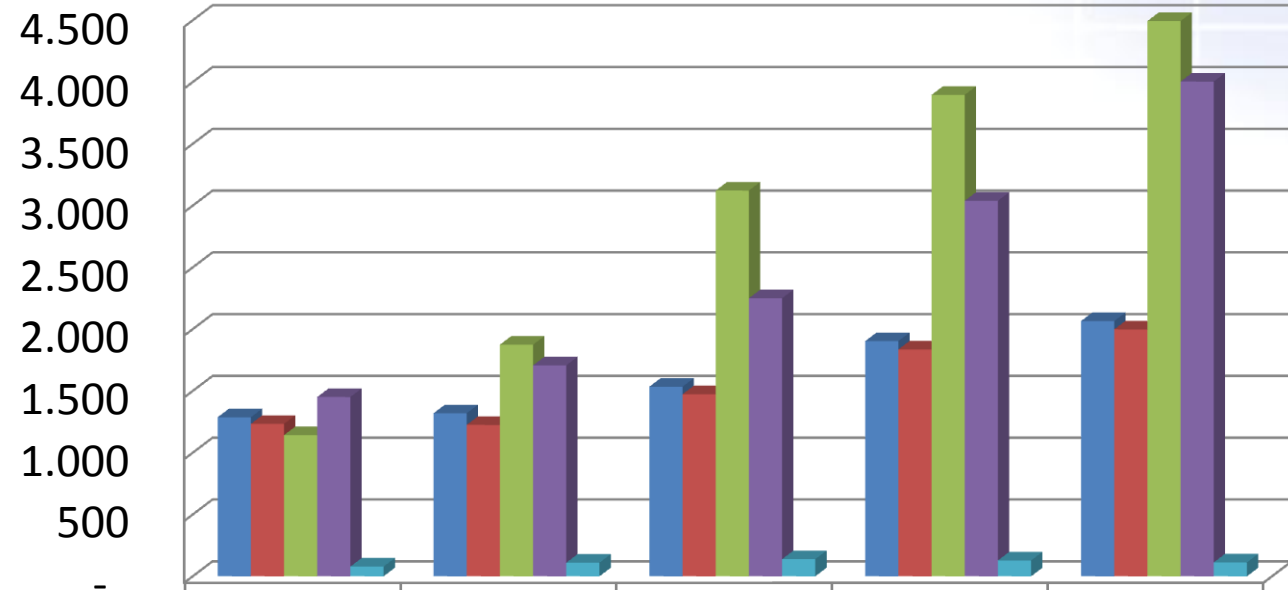


>4,000 virtual classes or online/mobile tutorial



Face-to-face Tutorials in 446 cities

Scale of Online Course/Tutorials



	2010	2011	2012	2013	2014
■ # of Available Online Course	1.287	1.319	1.534	1.903	2.065
■ # of Real Online Course	1.233	1.225	1.473	1.836	1.998
■ # of Participants (x 100)	1.143	1.874	3.122	3.896	4.494
■ # of Virtual Classes	1.451	1.707	2.250	3.039	4.004
■ Average Participant/Course	79	110	139	128	112

Scale Of Final Examination / Semester

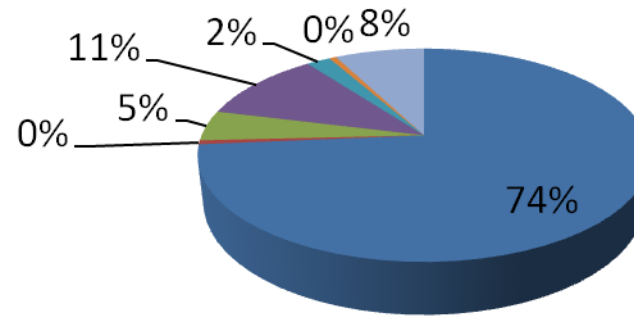
In Indonesia (2013.2)			Abroad		# of Student-Course Exam Processed
# of City	# of Exam Rooms	# of Students	# of City	# of Students	
678	21,781	336,405	15	1,319	1,654,735
# of Exam Supervisors/Proctors					40,421



Students

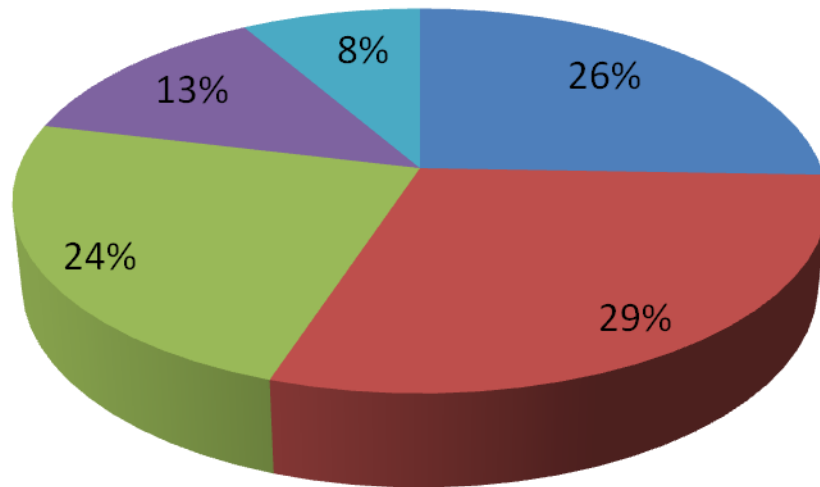


- Guru
- PNS
- Wiraswasta
- Tidak bekerja
- TNI / Polri
- Swasta
- Bekerja (Tanpa Keterangan)



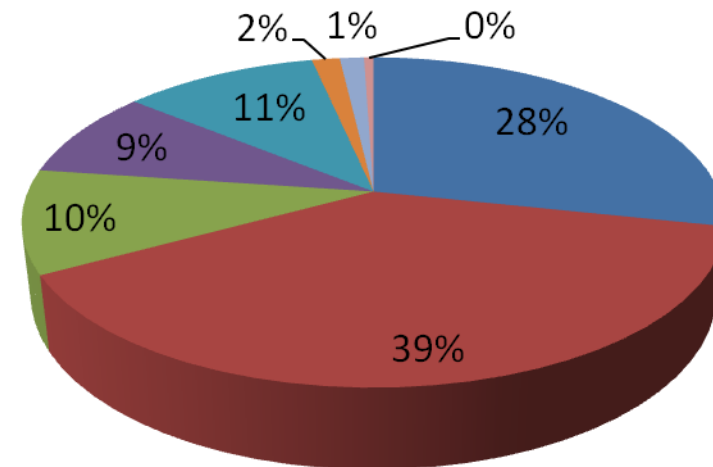
By Age Group

■ umur < 25 ■ 25-29 ■ 30-34 ■ 35-39 ■ 40-44



By Island

■ Sumatera ■ Jawa
■ Kalimantan ■ Bali dan Nusa Tenggara
■ Sulawesi ■ Kepulauan Maluku
■ Papua ■ Luar Negeri



Alumni

>1.3 millions



Free Education @ Universitas Terbuka

- UT started creating open content in 2002
- RECTOR Decree No.1255/UN31/KEP/2012 Concerning UT Policy on Open License of UT Educational Materials
 - Enhancement of Use of OER by faculty staff
 - The open license of UT educational material aims at protecting the creator and preventing the misuse of UT educational material.





- Attribution, Non Commercial and Share Alike (**CC BY-NC-SA**) for:
 - Video Program stored in UT Internet TV
 - Prudent Teacher Online Portal (Portal Guru Pintar Online)
 - Internet based learning materials (open coursewares)
- Attribution, Non Commercial and No Derivatives (**CC BY-NC-ND**) for:
 - Dissertation, thesis, research output, conference proceedings, course outlines, summaries, and previews stored in UT digital library including
 - E-journals, books, abstract compilations, and training resources stored in UT Research and Community Services website
 - Curriculum and course descriptions stored in Faculty websites
 - UT Catalog.



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Webmail | Sistem Mail UT x Gmail: Email from Google x ITV Universitas Terbuka x nice hand kursor - Google x

itv.ut.ac.id

Guru Pintar Online

gurupintar.ut.ac.id

This page is in Indonesian Would you like to translate? Translate Nope

UNIVERSITAS TERBUKA
Indonesia Open University
Making Higher Education Open to All

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Site Map Kontak Cari

Home Forum Komunikasi Guru Galeri Profil Inspiratif Web UT

Pengayaan Materi

www.ut.ac.id/html/suplemen/suplemen.htm

This page is in Indonesian Would you like to translate? Translate Nope

UNIVERSITAS TERBUKA

Pengayaan Materi Home FKIP FMIPA FISIP FEKON PP5

PKNI 4316
Mata Kuliah: Filsafat Pancasila
Topik: Pancasila dalam Berbagai Pengertian dan Fungsinya

UNIVERSITAS TERBUKA
Fakultas Ekonomi

1. PANCASILA SEBAGAI SISTEM FILSAFAT

Sistem merupakan bagian-bagian yang menjadi kesatuan dalam gerak dan wujudnya yang mendasari kehidupan berbangsa dan bernegara. Pancasila yang terdiri dari 5 sila, di mana masing-masing sila mempunyai pengertian dan fungsi memberikan pedoman untuk kehidupan kita bersama, asal 5 silanya menjadi satu dalam pelaksanaannya. Inilah pengertian sistem. Jadi, pengertian sistem Pancasila merupakan pedoman kesatuan dan satu yang utuh dari asalnya sila yang lima.

Pancasila sebagai sistem filsafat sudah tentu harus memenuhi unsur-unsur persyaratan dari filsafat itu sendiri. Pancasila mengandung unsur-unsurnya dari kehidupan masyarakat dan tanah air Indonesia itu sendiri.

1 | 2

www.ut.ac.id/html/suplemen/pkn4316/index.html

1:33 PM
2/25/2013

Webmail | Sistem Mail UT x Gmail: Email from Google x suaka-ut x nice hand kursor - Google x

www.ut.ac.id/OER/index.html

This page is in Indonesian Would you like to translate? Translate Nope

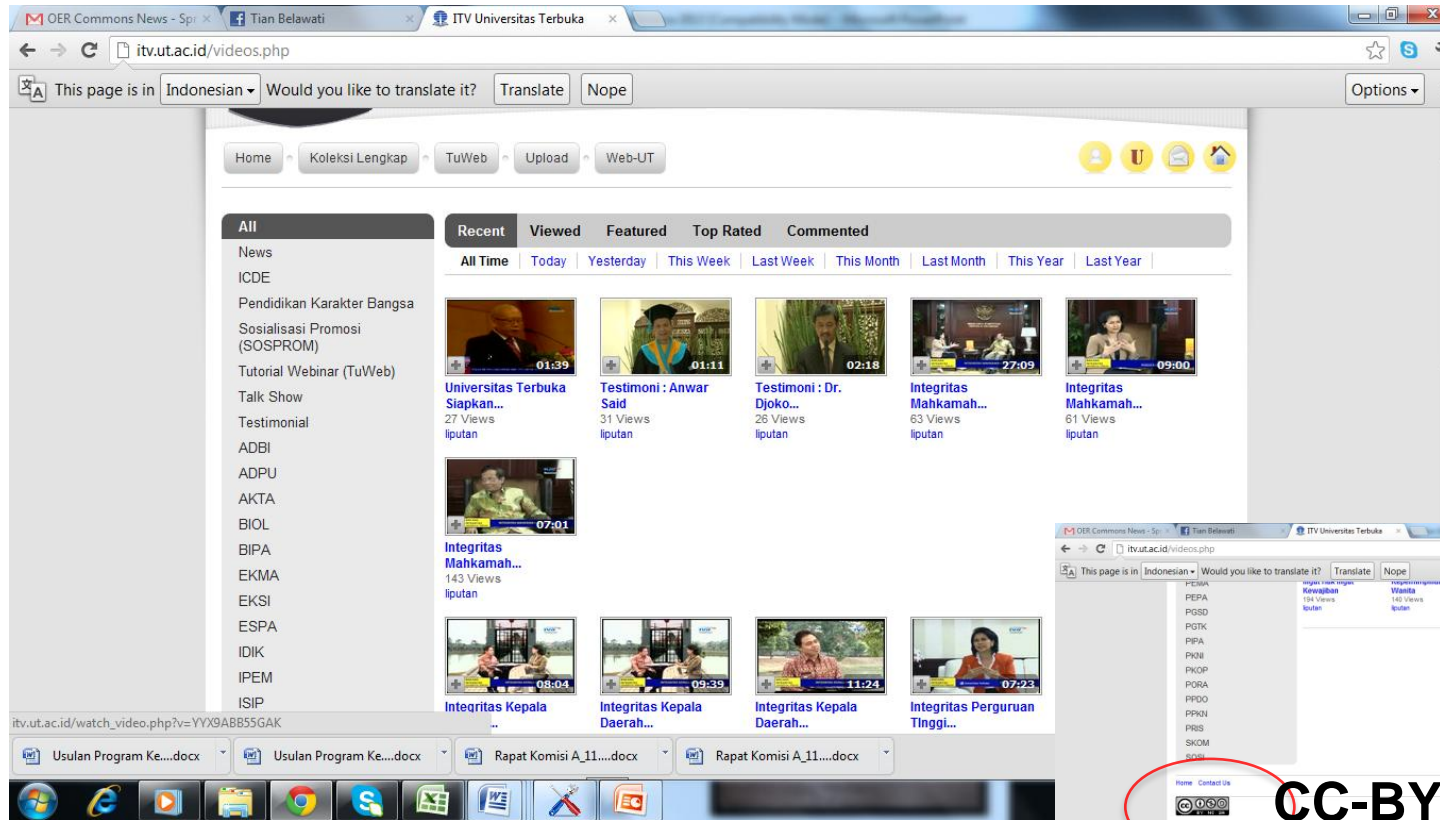
UNIVERSITAS TERBUKA
Making Higher Education Open to All

WEB-UT ITV-UT JURNAL PERPUSTAKAAN DIGITAL GURU PINTAR ONLINE (GPO)

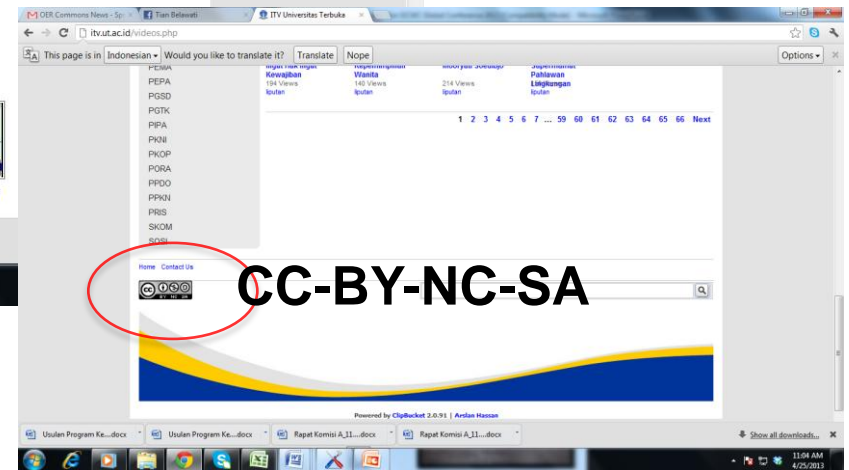
ITV-UT, Universitas terbuka memiliki kumpulan bahan belajar dalam bentuk video yang dapat diakses secara online streaming. Bahan belajar tersebut terbagi dalam beberapa kategori sesuai dengan fakultas. ITV-UT juga dapat disaksikan beberapa rekaman kegiatan UT.

Google® Pencarian Kustom

kursor.jpg




The screenshot shows the main interface of the ITV-UT website. At the top, there are navigation links: Home, Koleksi Lengkap, TuWeb, Upload, and Web-UT. Below this is a filter menu with tabs for All, Recent, Viewed, Featured, Top Rated, and Commented. Under the 'All' tab, there are sub-filters for All Time, Today, Yesterday, This Week, Last Week, This Month, Last Month, This Year, and Last Year. The main content area displays a grid of video thumbnails with titles and view counts. The sidebar on the left contains a list of categories: News, ICDE, Pendidikan Karakter Bangsa, Sosialisasi Promosi (SOSPROM), Tutorial Webinar (TuWeb), Talk Show, Testimonial, ADBI, ADPU, AKTA, BIOL, BIPA, EKMA, EKSI, ESPA, IDIK, IPEM, and ISIP. At the bottom, there are document upload buttons for 'Usulan Program Ke....docx' and 'Rapat Komisi A_11....docx'.



This screenshot shows a different view of the ITV-UT website, displaying a list of video thumbnails. A red circle highlights the Creative Commons license icon (CC BY-NC-SA) located at the bottom of the page. The license text 'CC-BY-NC-SA' is prominently displayed in large black letters. The page also shows a list of video titles and view counts, and a footer indicating it is powered by ClipBucket 2.0.91.

Free Online Journals



Publikasi Jurnal

www.lppm.ut.ac.id/index.php?option=com_content&view=article&id=25&Itemid=6&num=2

Universitas Terbuka **LPPM**
Making Higher Education Open To All

Home | Fakultas-PPs | UPBJJ | BIPA Online | Wisma UT |

Rabu, 1 Mei 2013

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- **Jurnal**
 - Daftar Jurnal Pendidikan (JP)
 - >>Persyaratan naskah penulisan Jurnal Pendidikan (JP)
 - Daftar Jurnal Pendidikan Terbuka dan Jarak Jauh (PTJJ)
 - >>Persyaratan penulisan naskah Jurnal Pendidikan Terbuka dan Jarak Jauh (PTJJ)
 - Daftar Jurnal Organisasi dan Manajemen (JOM)
 - >>Persyaratan naskah penulisan Jurnal Organisasi dan Manajemen (JOM)
 - Daftar Jurnal Matematika, Sains, dan Teknologi (MST)
 - >>Persyaratan naskah penulisan Jurnal Matematika, Sains, dan Teknologi (MST)
 - Daftar Jurnal Internasional

Berita LPPM

- > Berita Terbaru
- > Indeks Berita

Publikasi

- > Jurnal
- > Buku
- > Suara Terbuka
- > Komunika

Program LPPM

- > Pendidikan Berkelanjutan
- > Program Kemitraan
- > Abdimas
- > Abdimas Dosen UPBJJ
- > Pekerti

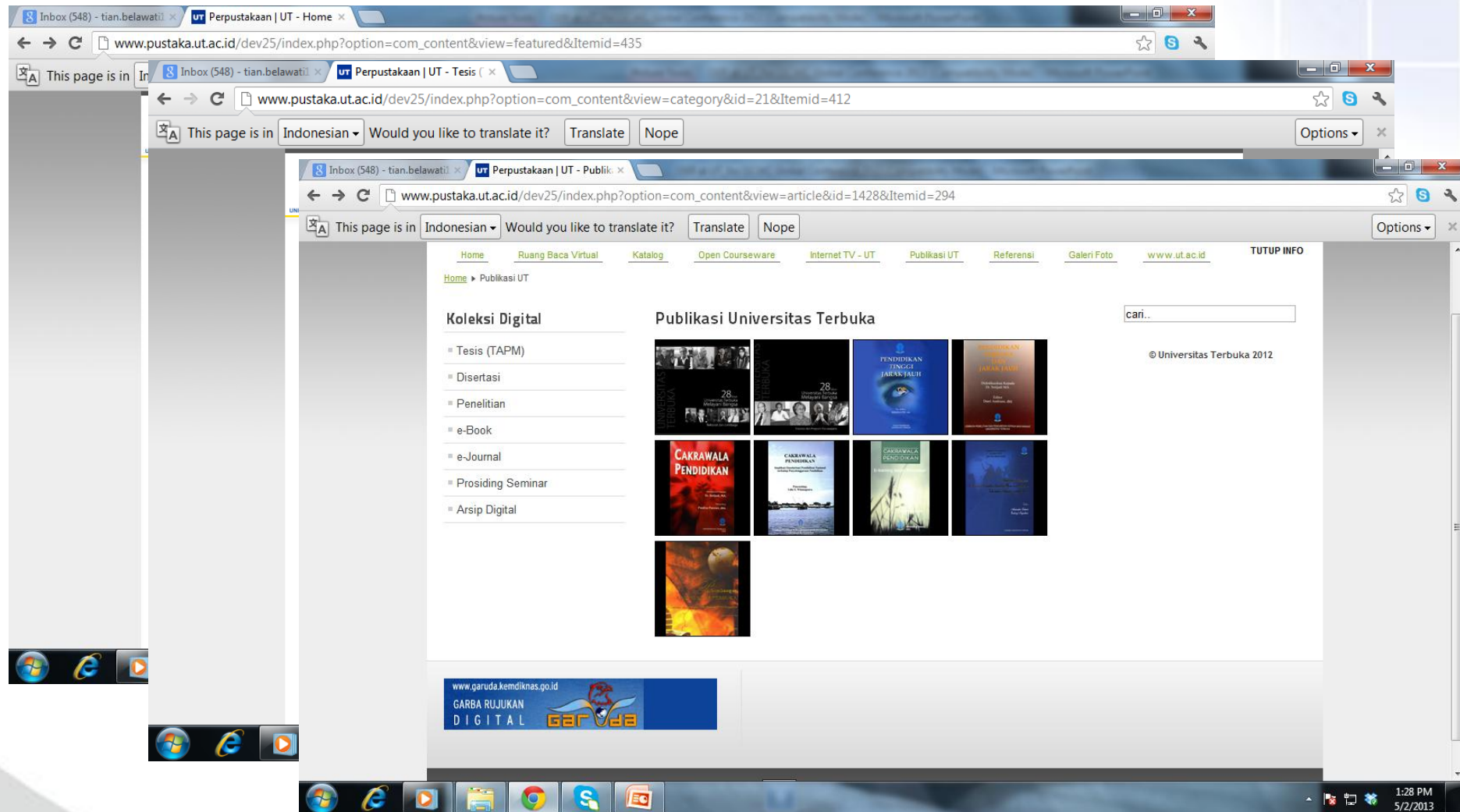
Penelitian LPPM

- SIMPEN (Sistem Informasi Manajemen Penelitian)
- > Abstrak
- > Materi Pelatihan
- > Informasi Penelitian

Seputar LPPM

- > Mitra dan Kerjasama
- > Profil LPPM

8:14 PM
01-May-13



www.pustaka.ut.ac.id/dev25/index.php?option=com_content&view=featured&Itemid=435

www.pustaka.ut.ac.id/dev25/index.php?option=com_content&view=category&id=21&Itemid=412

www.pustaka.ut.ac.id/dev25/index.php?option=com_content&view=article&id=1428&Itemid=294

This page is in Indonesian Would you like to translate it? Translate Nope

Home Ruang Baca Virtual Katalog Open Courseware Internet TV - UT Publikasi UT Referensi Galeri Foto www.ut.ac.id TUTUP INFO

Home > Publikasi UT

Koleksi Digital

- Tesis (TAPM)
- Disertasi
- Penelitian
- e-Book
- e-Journal
- Prosiding Seminar
- Arsip Digital

Publikasi Universitas Terbuka

car...

© Universitas Terbuka 2012

www.garuda.kemdiknas.go.id
GARBA RUJUKAN DIGITAL GARUDA

1:28 PM 5/2/2013

Guru Pintar Online (Teachers Portal)



The screenshot displays the Guru Pintar Online website interface within a browser window. The browser's address bar shows the URL www.gurupintar.ut.ac.id/video/viewcategory/7/sains-matematik-a-iptek.html. The website header includes the logo of Universitas Terbuka, the text "Guru Pintar Online Indonesia Open University Making Higher Education Open to All", and a Creative Commons Attribution-NonCommercial-ShareAlike license. A navigation menu contains links for Home, Forum Komunikasi Guru, Galeri Profil Inspiratif, and Web UT. A search bar is located in the top right corner. The main content area is titled "Guru Pintar Online" and "Home \ Videos \ Video Categories \ Sains, Matematik & Iptek". It features a "Categories" section with a search bar and a "Category Videos (Sains, Matematik & Iptek)" section. This section displays a grid of video thumbnails with titles, view counts, categories, and user ratings. The visible video titles and their details are:

Video Title	Views	Category	User
Penggunaan dan pembuatan...	649 Views	Sains, Matematik & Iptek	mira
Penggunaan dan pembuatan...	571 Views	Sains, Matematik & Iptek	mira
Penggunaan dan pembuatan...	561 Views	Sains, Matematik & Iptek	mira
Penggunaan dan pembuatan...	709 Views	Sains, Matematik & Iptek	mira
Mengukur Berat Benda	223 Views	Sains, Matematik & Iptek	mira

The bottom of the screenshot shows the Windows taskbar with various application icons and the system tray displaying the time as 8:09 PM on 01-May-13.

Learning Object Materials (LOM)



The screenshot shows a web browser window displaying the Pandora Learning Objects website. The browser's address bar shows the URL `pandoralom.ut.ac.id/modules/wfdownloads/`. The website header features the Pandora logo and the text "A Repository of Reusable Learning Objects for Distance Learning in Asia".

The main content area is titled "Learning Object Materials" and includes a large "downloads" button. Below this, there is a section for "Browse Downloads by alphabetical listing" with a grid of letters from 0 to Z. Navigation links for "[Latest Listings | Popularity | Rating]" are also present.

The "Main Category Listings" section displays three categories with their respective flags and item counts:

- General Interest (0)**: Represented by a floppy disk icon.
- LO_Indonesian (64)**: Represented by the Indonesian flag. Sub-categories include: Biology_Id, Chemistry_Id, Ecology_Id, Mathematics_Id, Physics_Id, and Statistics_Id.
- LO_Thai (60)**: Represented by the Thai flag. Sub-categories include: Biology_Th, Chemistry_Th, Ecology_Th, Mathematics_Th, Physics_Th, and Statistics_Th.

On the right side, there are two more category listings:

- LO_English (89)**: Represented by the UK flag. Sub-categories include: Biology_En, Chemistry_En, Mathematics_En, Physics_En, and Statistics_En.
- LO_Khmer (8)**: Represented by the Khmer flag. Sub-categories include: Biology_Km, Chemistry_Km, Ecology_Km, Mathematics_Km, Physics_Km, and Statistics_Km.

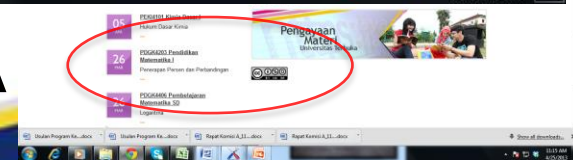
The left sidebar contains a "Main Menu" with links for Home, Learning Object Materials, Popular, and Top Rated. Below it is a "Login" section with fields for Username and Password, a "User Login" button, and links for "Lost Password?" and "Register now!".

The Windows taskbar at the bottom shows the system clock as 1:36 PM on 5/2/2013, along with various application icons.



The screenshot shows a web browser window with the URL www.ut.ac.id/html/suplemen/suplemen.htm. The page features a navigation menu with categories: Home, FKIP, FMIPA, FISIP, FEKON, and PPs. The main content area displays a course page for 'Mata Kuliah: OPTIKA / PEFI4311 Topik : LASER'. A 'MENU' sidebar lists various topics, with 'Proses Pembangkitan Laser' selected. The main content includes a diagram titled 'C. PROSES PEMBANGKITAN LASER' showing energy levels and transitions for atoms before and after interaction with incident radiation. The diagram illustrates three processes: (a) absorption, (b) spontaneous emission, and (c) stimulated emission. A text block explains that three basic processes for light-matter interaction exist: absorption, emission, and scattering. Laser production involves stimulated emission, where an incident photon causes an excited atom to emit a photon in phase with it.

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The screenshot shows a Windows taskbar with several open applications. A presentation slide titled 'Pengayaan Materi' is visible, featuring a red circle around a specific section. The taskbar also shows the system tray with the date and time: 11:14 AM, 4/25/2013.

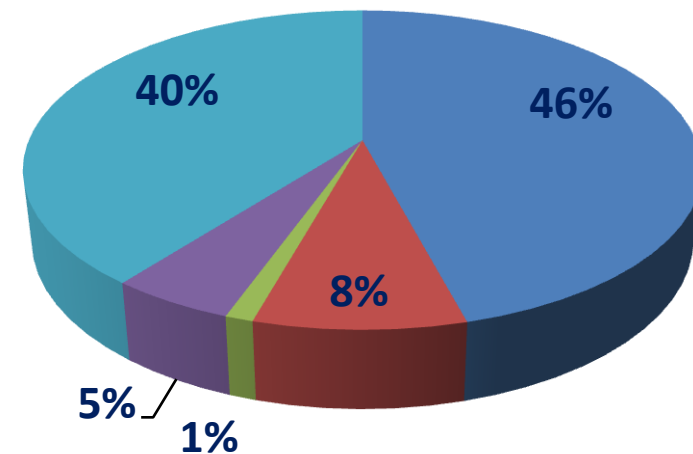
Number of Hits/Users

Jan 1 – Dec 31, 2014:

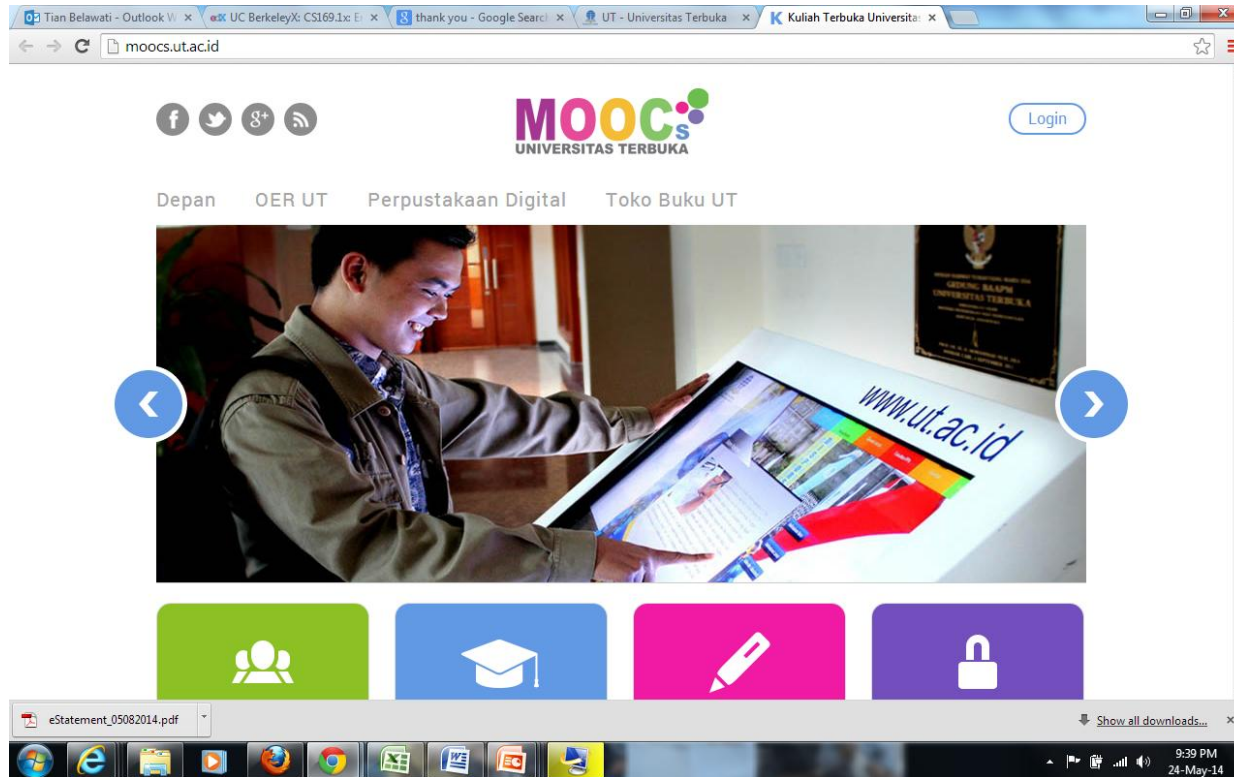
- **Open Courseware: 778.398 (130.359 users)**
- **ITV : 52.822 (17.402 users)**
- **Guru Pintar Online: 436.023 (77.060 users)**
- **Online course/tutorials: 54,597,176 (704,279 users)**
- **Digital Library: 4,636,545 (606,527 users)**
- **DRyLab : 24.046**

Total # of User: 1,535,627

- Online course
- Open courseware
- Internet TV
- Teacher Portal
- Digital Library



MOOCs at UT



- Free online courses for anyone
- Launched in March 2014
- 18 Courses:
- +/- 5,000 enrollments



tbelawati@ecampus.ut.ac.id