

POSS Network Activities and F/OSS Adoption in Indonesia¹

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Outline

- 1 Indonesia and F/OSS
- 2 Acknowledgement and Acceptance of OSS
 - IGOS (Indonesia Goes Open Source)
 - POSS and IGOS Center
- 3 POSS Network Members and Activities
 - Members
 - Activities
 - UGOS
- 4 F/OSS Adoption
 - Ministry Supports
 - Academic Community and Schools
 - Business (State/private)/ Profit Oriented Companies
 - Government Offices
 - Non Government Organization and communities

Indonesia Now

- (+/-) more than 14000 islands (less than 10 the big ones) scattered
- (-) different pace of information and technology awareness & literacy :
age-based, culture-based
- (-) unequal distribution of literated human resources and scholars ⇒ unequal
distribution of IT literacy
- (-) poverty alleviation is still not finished, becoming problem worth priority ⇒
IT is still of high cost (software/hardware), to some extent
- (+) government has given priority to education : 20% total budget, free
elementary and compulsory schools. The sooner, the better
- (+) government are really concerned with IT roles in running services and for
the better future of nations ⇒ education (curriculum, competition), public
services (e-government, e-procurement)
- (+) growing awareness on intellectual property right (UU Nomor 19 Tahun 2002
tentang Hak Cipta), but seems still in limited community. Desire to have
something is usually stronger than willingness to be 'on the track' (fullfil law),
license means cost

F/OSS Characteristics

"Free software" is a matter of liberty, not price.

Free software is a matter of the users' freedom to **run, copy, distribute, study, change and improve the software** :

- ① The freedom to run the program, for any purpose (freedom 0).
- ② The freedom to study how the program works, and adapt it to your needs (freedom 1). Access to the source code is a precondition for this.
- ③ The freedom to redistribute copies so you can help your neighbor (freedom 2).
- ④ The freedom to improve the program, and release your improvements to the public, so that the whole community benefits (freedom 3). Access to the source code is a precondition for this

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F/OSS Acceptance in Indonesia

- acceptance by academicians, individuals and private sectors began earlier than government.
- government formalize his acceptance by declaring an agreement among five ministries:
 - ① Ministry of Research and Technology
 - ② Ministry of Informatics and Communication
 - ③ Ministry of Civil Servant Empowerment
 - ④ Ministry of Law and Human Right
 - ⑤ Ministry of National Education
- Indonesia Goes Open Source commitment in 30 June 2004
- on 27 May 2008 many more organizations (ministries and non-department government bodies), becoming 18 members

IGOS

Deklarasi IGOS

- 1 Pemerintah bersama masyarakat bersepakat untuk melakukan upaya yang sungguh-sungguh dalam mendayagunakan teknologi informasi.
- 2 Dalam rangka mendukung keberhasilan upaya tersebut, pengembangan, dan pemanfaatan Open Source Software merupakan salah satu langkah strategis dalam mempercepat penguasaan teknologi informasi di Indonesia.
- 3 Untuk mendapatkan manfaat sebesar-besarnya dari upaya tersebut, perlu dilakukan langkah-langkah aksi sebagai berikut:
 - 1 Menyebarkan pemanfaatan Open Source Software di Indonesia.
 - 2 Menyiapkan panduan (guideline) dalam pengembangan dan pemanfaatan Open Source Software di Indonesia.
 - 3 Mendorong terbentuknya pusat-pusat pelatihan, competency center dan pusat-pusat inkubator bisnis berbasis open source di Indonesia.
 - 4 Mendorong dan meningkatkan koordinasi, kemampuan, kreatifitas, kemauan dan partisipasi dikalangan pemerintah dan masyarakat dalam pemanfaatan Open Source Software secara maksimal.

IGOS Declaration

IGOS Declaration

- 1 Government together with community commit to make serious efforts in the empowerment and utilization of IT
- 2 To support the success of the efforts, development and utilization of F/OSS is one of strategic steps to boost the mastery of IT in Indonesia
- 3 To take the best advantage of the efforts, some important steps or activities are to be carried out:
 - 1 spreading out the usage and utilization of F/OSS in Indonesia
 - 2 preparing guidelines or tutorials on the development and utilization of F/OSS in Indonesia.
 - 3 push or enforce the availability of training centers, competence centers, business incubation centers based on F/OSS in Indonesia.
 - 4 enforce and enhance the coordination, capability, creativity, willingness and participation of the government together with community in the maximal utilization of F/OSS

Realization of IGOS Spirit

- Government represented by Ministry of Informatics and Communication, Ministry of Civil Servant Empowerment issue Letter of Statement encouraging Indonesia, especially government offices to ALWAYS use LEGAL Software. The legal state can be achieved by purchasing appropriate licenses or alternatively USE F/OSS.
- Ministry of Research Technology has developed customized Mandriva and Fedora-based distro of GNU/Linux called IGOS Nusantara ⇒ adapted to Indonesian language, packaged with some applications suitable to Indonesian office needs.
- Ministry of Research Technology set up IGOS Centers and POSS (Pemberdayaan Open Source Software) Centers as a hand-in-hand collaboration with community and academicians to spread and promote F/OSS

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POSS Network Members

- 1 POSS Politeknik DEL
- 2 POSS Politeknik Batam (<http://poss.polibatam.ac.id>)
- 3 POSS UNniversitas Syiah Kuala
- 4 POSS Institut Teknologi Bandung (<http://poss.itb.ac.id/>)
- 5 POSS Universitas Indonesia (<http://poss.ui.ac.id/>)
- 6 POSS Univeristas Airlangga (<http://opensource.unair.ac.id>)
- 7 POSS Universitas Gadjah Mada (<http://osc.ugm.ac.id>)
- 8 POSS Institut Pertanian Bogor (<http://poss.ipb.ac.id/>)
- 9 POSS President University (<http://poss.president.ac.id>)
- 10 POSS Universitas Brawijaya (<http://uboss.brawijaya.ac.id>)
- 11 POSS Universitas Tarumanegara (<http://poss.fti.untar.ac.id/>)
- 12 POSS Institut Teknologi Sepuluh November (<http://poss.its.ac.id/>)
- 13 POSS Universitas Al Azhar indonesia (<http://poss.uai.ac.id>)
- 14 POSS Polman Astra (<http://poss.polman.astra.ac.id/>)
- 15 POSS Universitas Gunadarma (<http://poss.gunadarma.ac.id>)
- 16 POSS Universitas Pendidikan Indonesia
- 17 POSS Universitas Mulawarman (<http://poss.unmul.ac.id>)
- 18 POSS Universitas Tanjungpura (<http://poss.untan.ac.id>)
- 19 POSS Universitas Hasanuddin (<http://www.unhas.ac.id/poss>)
- 20 POSS Universitas Udayana

POSS Network Members Distribution

- Three universities in Sumatera : Unsyiah, PiDEL, PoliBatam
- One in Sulawesi (Celebes) : UnHas
- One in Bali : UnUd
- Two in Kalimantan (Borneo) : UnMul, UnTar
- Thirteen in Java : UI, ITB, UPB, UnTar, Un-Gunadarma, Astra, Al-Azhar, President, UGM, ITS, Brawijaya, UnAir, UPI

East part of Indonesia still needs pioneers and volunteers \Rightarrow gap between east and west should be minimized soon.

General and Common Activities

- Roadshow to schools with target teachers and students ⇒ socializing what OSS is, spirit of F/OSS, promoting GNU/Linux and Open Office feature)
- Roadshow to local government office (sub regency level or lower) and train them 1-2 days to use computer instead of traditional typewriter machines. Usually universities support infrastructure, including giving 1-2 old-but-functional computer to them. Teaching novices is easier than migrating experts
- F/OSS Product Development : general softwares, distros
- partnership with local government and community in migrating from non-legal software to F/OSS
- Seminar, workshop, conference on F/OSS
- POSS activity and news portal

UGM Goes Open Source

- Gadjah Mada University has declare its commitment to adapt open source for offices
- UGOS is formalized by Rector statement number 70/P/SK/HT/2007
- core : use F/OSS for replacing non-legal software

Some additional to activities of POSS Network :

- F/OSS competition : drawing for children using GIMP, programming contest, story creation on F/OSS
- OSSA (Open Source Student Ambassador) ⇒ rercruit students interested in F/OSS development and distribution : competitons among groups, regular discussion on various topics, encourage friends to try F/OSS
- repository of F/OSS ⇒ together with UI, ITB, ITS
- compose guidelines on using F/OSS (Linux, OpenOffice, Web Design) and made public via repository
- Service desk : telp, chat, forum, blog
- support Jogja Goes Open Source spirit ⇒ 3 times F/OSS seminar, partnership with government in migrating offices to F/OSS together with KPLY, Air Putih

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Letter by Indonesian Ministries to Boost the F/OSS Adoption

- Surat Edaran Menteri Komunikasi dan Informatika 05/SE/M.KOMINFO/10/2005 on **The Usage and Utilization of Legal Software in Government Offices** ⇒ mentioning explicitly that F/OSS is competitive enough and simultaneously affordable, meaning big budget saving
- Surat Edaran Menteri Pendayagunaan Aparatur Negara (Ministry of Civil Servant Empowerment) SE/01/M.PAN/3/2009 on **Utilization of Legal Software and Open Source Software** ⇒ oblige government offices to adopt F/OSS to save budget, or if not possible, at least must use legal softwares in all activities by the end of 2011
- Ministry of Research and Technology, together with DepKominfo, is assigned to lead and become service desk in the process of F/OSS adoption

F/OSS has been adopted by whom?

Lots of organizations and, not to mention, individuals have used F/OSS in Indonesia. Organization will be classified as follows:

- Academic Community (universities, research centres) and Schools
- Business (State/Private) Profit-oriented Companies
- Government and NGO

Universities and Schools Activities related to F/OSS

- POSS Network is committed to keep services and activities in disseminating the spirit of software legality by adopting F/OSS
- Many Universities (Non member of POSS Network supported by RisTek) also voluntary set up communities concerning F/OSS with quite intensive activities , even put F/OSS in their curriculum or teaching-learning process : SGU, UNNES, UNS, etc. This should be traced and supported by RisTek to extend and boost F/OSS adoption
- Many Schools have used F/OSS in their labs and teaching-learning process. Many vocational schools have put F/OSS as one of concerns.
- Non-vocational schools are targeted by POSS and IGOS Centers to migrate to F/OSS. Some schools have become "Open Source" Schools : SMPN 2 Bandung, SMPN 13 Bandung and many more
- The use of F/OSS focuses on Operating System Migration, Office Application and e-learning (Moodle, Crayonpedia)

Some pics



Open Source is Saving, Saving Means Profit

- Several companies, either state-owned or private, have decided to migrate to F/OSS, especially for office desktops and servers. Some target 100% F/OSS, but some plan to migrate not 100% (due to specific software requirements and future backward compatibility)
- Government-related companies
 - PT Telkom , plan to migrate up to 81% of the office to F/OSS by end 2010
 - PT Samudera Indonesia
- Other companies : Detik.com, Dian Rakyat (Publisher), Pertamina Jaya Hospital, PT. Pasifik Satelit Nusantara (PSN), and numerous small companies offering consultancies, training etc.

Government Offices Should be Bound to Ministry of Civil Servant Statement

- Some Regencies have migrated (Jembrana, Aceh Tengah), and some are on the process of migration (Kota Yogyakarta, Hulu Sungai Tengah) to F/OSS, but some still need attention from F/OSS agents in Indonesia
- Ministries signing the IGOS Commitment keep their commitment, eventhough the migration process is un-uniform, some are smooth, some are slow.
- Not only migration, government offices also try to widespread the F/OSS adoption, such as by Seminar on open Source by LIPI (Indonesian institute of Science), RisTek, INAICTA Award by DepKomInfo, blog competition on F/OSS by LIPI

Numerous "Volunteer" form NGO, Community Agents

- Linux User Groups, KPLI (Komunitas pengguna Linux Indonesia), Air Putih Foundation
- Indonesian Slackware Community, Indonesian Open Suse Community, Indonesian Ubuntu community, etc.
- Community develop F/OSS applications
- Community participating in translating F/OSS applications : Ubuntu, OpenOffice
- Community developing Distro's : BlankOn, KuliAx, UGOS, Ubuntu Muslim Edition

Thank You

Last Slide

PLEASE.....

If you think that what we have is good... tell others about us

But if you think that what we do is not good enough.. tell us what to do for improvement