

Indonesia: Outreach Activities

RAS0075/9008-01: Workshop for
Planning and Developing an Effective
Outreach Programme through IoT
Bangkok, 25-29 September 2017

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- Introduction
- Outreach Activities: “Traditional”
- Outreach Activities: “IoT-Based Approach”

Objectives:

E&T

Building
Competences

Preserving
nat. comp. on
NST

Public
Outreach

HRD

Effective
Human
Capital
Management

NKM

Preserving
NK

Preventing
NK loss

Harvesting
NK

Nuclear Network

Building
competencies

Stakeholders
involvement

Public
outreach

Increasing
public
support

Outreach Activities

“Traditional”



Outreach through Education (1)



Introductory Training for School Teachers

- Prepared for high-school science teacher



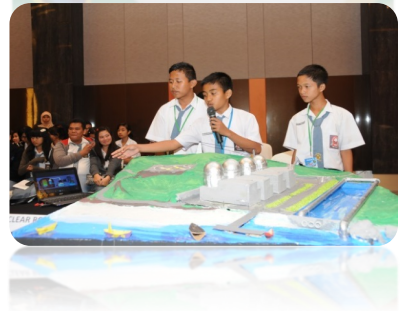
Nuclear Schools for University Students

- Prepared for university and lectures of reactor physics/nuclear physics
- Practical works on research reactors



Training for University Students on Special Topics

- To assist universities on practical works in Radiochemistry, Medical Physics



Outreach through Education (2)



Nuclear Goes to School

Edufun, Presentation & motivation, simple **practices**, sharing & discussion, games, and role play “who want’s to be a nuclear scientist”



Nuclear Corner

Information designed in fun and interactive concept and located in public facilities (Science Parks, Schools)



Science Competition

Competition **on** nuclear science **topics** and mini projects.



Nuclear Facility Visit

Nuclear facilities visit and tour for public.



Scholarship

The academic scholarship for students who **have interest in studying majors related to** nuclear science.



Nuclear in Curriculum

collaboration with Ministry of Education to **include** nuclear science for high school curriculum.



Activities of public information



Seminar, Talkshow

Disseminating R&D products, recent and update status of nuclear in Indonesia with discussion and general sharing



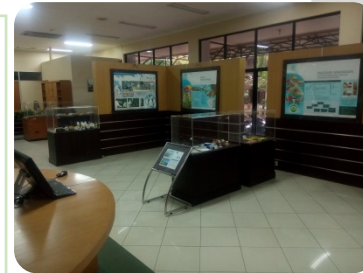
Focus Group Discussion

Meeting with stakeholders and shareholders about nuclear prospect in future, also intense sharing about status of NPP



Products Exhibition

Introducing R&D products that has been proved and useful for public or communities. i.e : Food, Medicine, Agriculture and others proven products



Activities of public information



Training of Trainer

Workshop for training local figure as a “nuclear communicator” to deliver nuclear information for local societies.



Website

Provide nuclear up to date information and news for world wide public.
www.batan.go.id, www.infonuklir.com



Print Media

Information about nuclear also spread by using print media, i.e : flyers, magazines, etc

- menggiatkan sumber radiasi
- meminimalkan waktu paparan radiasi
- mengalih radiasi

Tidak mungkin untuk menghindari radiasi karena radiasi adalah bagian dari kehidupan kita sehari-hari. Namun radiasi tingkat rendah tidak berbahaya bagi kesehatan. Efek kesehatan penyalahgunaan radiasi nuklir. Yang penting untuk diingat adalah bagaimana melindungi diri kita ketika kita berada dalam kondisi yang memunculkan kita terkena radiasi tingkat tinggi.

Tubuh kita bisa terpapar radiasi dengan teknologi sehari-hari. Tapi radiasi yang memancarkan radiasi tingkat rendah angin atau hujan, itu berasal dari dalam tubuh melalui kulit, permukaan atau melalui makanan.

Salah satu cara sederhana untuk melindungi diri dari radiasi adalah dengan menggunakan pakaian dan melindungi diri dengan cara lain. Kita diharapkan seseorang dapat menggunakan tabung pelindung untuk mengurangi efek dosis pada kelenjar tiroid. Hal ini tentu saja harus dilakukan berdasarkan instruksi dari pemerintah.

Bagi mereka yang memang bekerja di lingkungan radiasi, seperti seorang radioamatour atau pekerja di pemrosesan limbah nuklir atau personel di bidang nuklir lainnya, ada beberapa hal yang harus dilakukan untuk melindungi diri dari paparan radiasi. Dalam kasus yang sangat jarang, seperti kecelakaan nuklir, orang yang tinggal di dalam lingkungan nuklir harus tahu akan beberapa hal penting yang lebih dari itu dan disarankan untuk tetap tinggal di dalam ruangan untuk meminimalkan kemungkinan terpapar radiasi. Sempatkan waktu istirahat.

proteksi radiasi

Media campaign



TV Commercial

Produce and placement tv commercial about nuclear energy, environment and technology achievement.



Variety Show on TV

Blocking time on TV show, i.e : talkshow or advetorial about nuclear safety issues, energy prospect, human resource and others.



Media campaign



Public Service Advertisement on Radio

Produce and placement commercial break and *bumper* with nuclear theme and news.

Radio Talkshow

Talkshow and interactive discussion about Nuclear Safety Issues, Socialization Activities, Young Communities, Education, and Human Resourch.



Publication



Thematical Flyer & Pamphlet



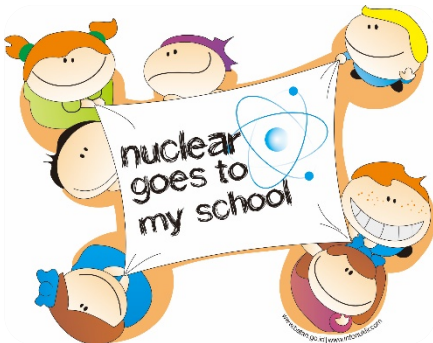
Book & Profile



T-Shirt



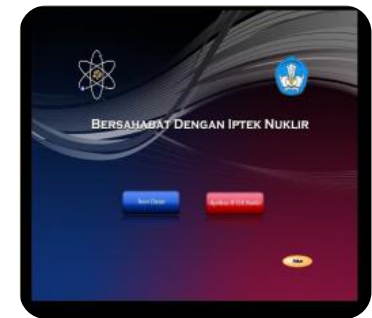
Glosarium



Sticker



Supplementary Material



CD & e-learning

Publication in mass transportation



55 tahun kami mengabdikan dan akan terus mengabdikan

26 profesor riset 1072 ahli nuklir dan 3003 pegawai berdedikasi bekerja di 3 reaktor dan 5 kawasan riset mengembangkan teknologi nuklir untuk kemajuan bangsa. Dan kami terus mengharapkan dukungan 250 juta rakyat Indonesia untuk terus mengabdikan, mempersembahkan karya terbaik untuk negeri.

Energi Nuklir Untuk Kemajuan Bangsa
www.batan.go.id

Human resource & Nuclear Safety

Nuclear in Our life

NUCLEAR reaction is the energy source of SUN

Matahari memperoleh energinya dari reaksi fusi nuklir, menghasilkan gelombang radiasi dan energi yang menjadi sumber energi primer bagi kehidupan di planet bumi dan memberikan manfaat bagi manusia. Terinspirasi dari fenomena alam, kini kita juga telah mampu mengembangkan teknologi nuklir dan radiasi untuk memberikan manfaat bagi kehidupan manusia.

PUSAT DISEMINASI IPTEK NUKLIR
BADAN TENAGA NUKLIR NASIONAL

Temukan manfaat teknologi nuklir bagi kehidupan manusia di :
www.batan.go.id || www.infonuklir.com
@atomosday

Outreach Activities

IoT-Based Approach



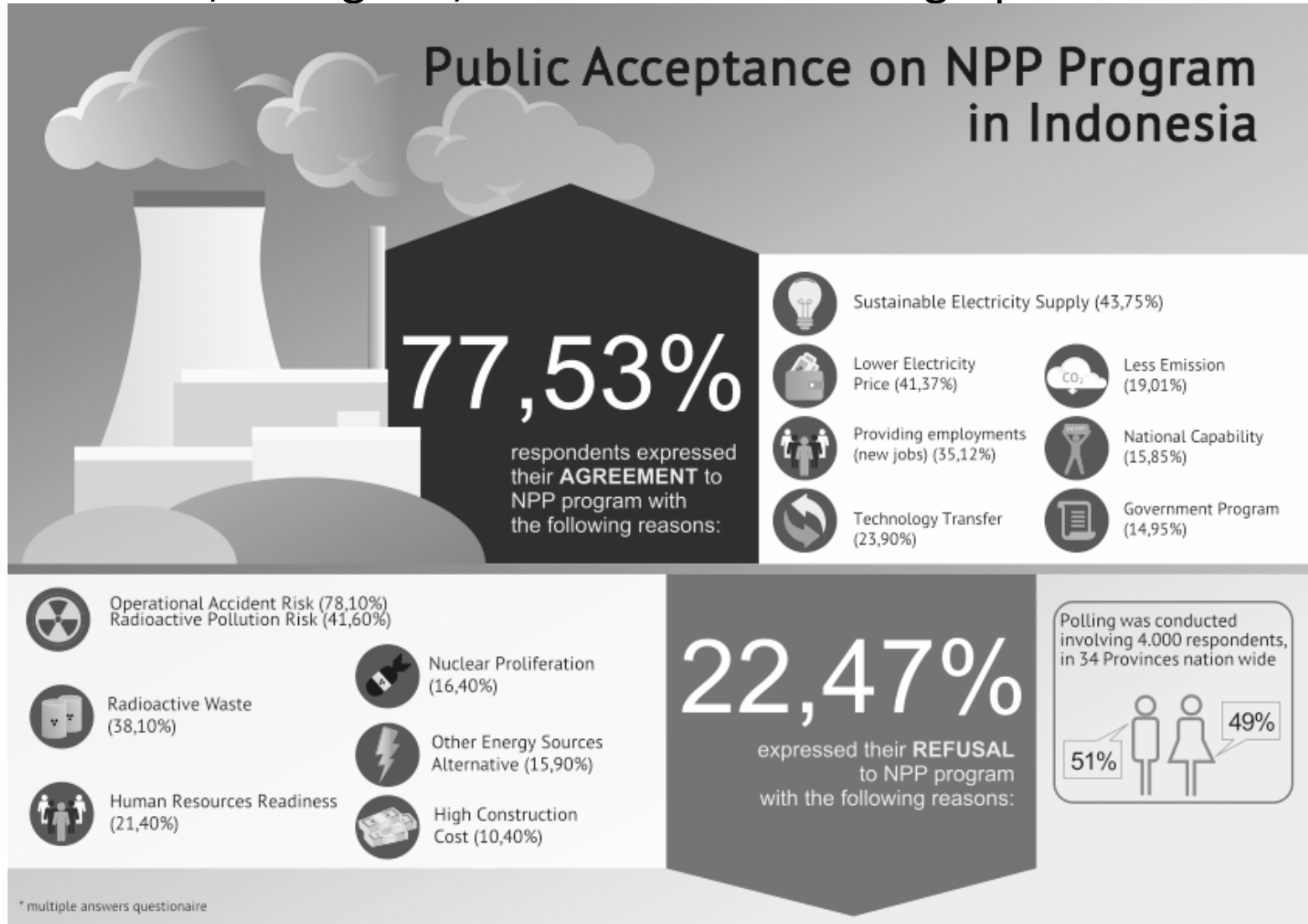
1. Interactive media of nuclear education in digital form



- text-based and digital-based teaching materials containing basic knowledge on nuclear science complementary to the high school formal curriculum.
- The digital content is widely disseminated through teachers groups
 - Examples: nuclear science quizzes, atomic theory, illustration, and gallery of nuclear facilities

2. Optimization of social media

on Facebook, Instagram, Twitter or Web: Infographics



2. Optimization of social media



- on Facebook, Instagram, Twitter or Web: VSV



nuklir30detik
(nuclear in 30 seconds)

On Nuclear in Indonesia

2. Optimization of social media



- on Facebook, Instagram, Twitter or Web: VSV

nuklir30detik
(nuclear in 30 seconds)

On radwaste
management from
medical application



3. Training of social media photography techniques



- to increase capability of Nuclear Communicators to produce good qualities photos/videos.
- helps nuclear communicators to communicate easily on the digital world: infographics, videos, blog, vlog.

4. National Nuclear Young Community (Kommun)



- Members: Universities students
- exists across 11 regions and provinces, with active members of about 300 people.
- periodically performs information sharing to schools in the region, promotion in public activities (car free Day, campus activities, village development, etc.), seminar in campuses (nuclear talks).
- Kommun's social media account puts NUCLEAR Trivia to share information on nuclear with fun facts.

4. National Nuclear Young Community (Kommun)



- Using vlog: talking about nuclear



Talkshow by Kommun



Talkshow
REALISTISKAH PROYEK PEMERINTAH 35000MW TANPA PLTN

Narasumber

Dimas Irawan, M.Si
(Kepala Bidang Diseminasi BATAN)
Sabtu, 24 Oktober 2015
Pukul 07.30-11.30

Ir. Yudi
(Direktur)
Diploma dan S1 seluruh Indonesia

Prof. Purwo Santoso, M.A., Ph.D*
(Dosen Fisipol UGM)
*dalam konfirmasi
Pendaftaran langsung
di selasar Kantor Pusat FT UGM
10.00-15.00 WIB

Host
Pangli Prabowo Rona Saputra
Mahasiswa HI UGM
Delegasi Indonesia Konferensi Internasional Perdamaian Dunia
ONLY IDR 15K | OTS 20K
Fasilitas
Snack | Seminar Kit | Sertifikat

ORGANIZED BY
@RFY0750Y
KOMUNITAS MUDA NUKLIR NASIONAL - KOMMUN
KOMMUNUGM.WORDPRESS.COM
Contact Person
Dessy 0896-5502-2790

Is it realistic: 35.000MW electricity program without nuclear?

Departemen Kajian Strategis BEM KM FMIPA UGM dan KOMUNITAS MUDA NUKLIR NASIONAL
Proudly Present

SIAPKAH INDONESIA Meninggalkan Batubara?
Potensi PLTN dan PLTU geotermal

Ready With No Coal?

Dr Susilo Widiyanto, M.Eng.
Ketua Pusat Sains dan Teknologi Akselerator BATAN

Dr Indra Perdana, ST., MT., Ph.D.
Dosen Teknik Kimia UGM

Free !!! Entry !!!
Untuk umum

Auditorium A1.06-A107 MIPA utara UGM 0877-3983-7839 (Bayu)
KAMIS, 26 November 2015
15.10 WIB-selesai

FREE SNACK UNTUK 70 Pendatang atau 70 Pendaftar tercepat !!!
Format Pendaftaran
Nama_Jurusan_Angkatan SMS ke nomor CP

5. Online Talkshow



- Together with Kommun
- Using popular chat apps like whatsapp, Line, and Telegram
- Speakers are from BATAN or other institutions.
- Moderation is by Kommun's board and done in real time.
- Some materials that have been discussed:
 - Benefits vs. Risks; Applications in health, medicine, agriculture; NPP and Indonesia's nuclear readiness; Food preservation, social aspect of nuclear.

TERIMA KASIH

Thank You



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badan_tenaga_nuklir_nasional



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