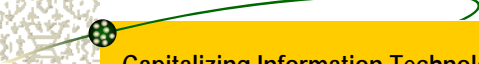




Capitalizing Information Technology for Greater Access among Poor and Rural Communities: *Indonesia*

An APEC Project
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Proposed action

Women Empowerment through ICT Skills for Economic Improvement: *Case of Indonesia*

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Use of ICT for
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(2 test beds)



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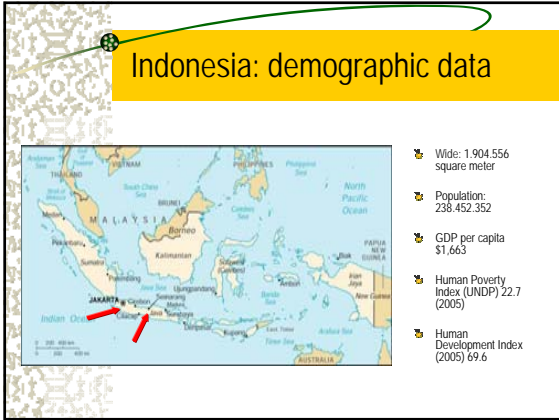
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Indonesia: demographic data

- Wide: 1,904,556 square meter
- Population: 238,452,352
- GDP per capita \$1,663
- Human Poverty Index (UNDP) 22.7 (2005)
- Human Development Index (2005) 69.6



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Socioeconomic Situation

Distribution of Poor People Population and literacy

low poverty & low literacy rate

low poverty & high literacy rate

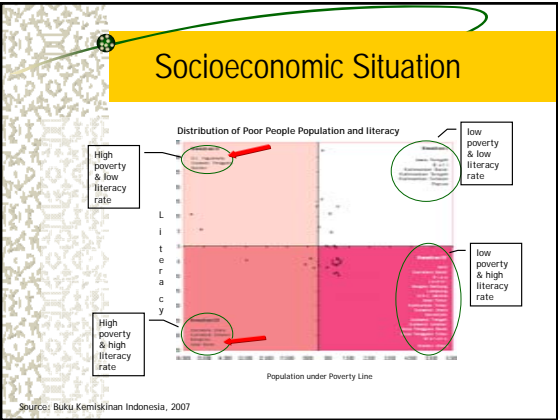
High poverty & low literacy rate

High poverty & high literacy rate

Literacy

Population under Poverty Line

Source: Buku Kemiskinan Indonesia, 2007



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[illegible][illegible][illegible]

Provinsi/Kabupaten/Kota	2003	2002	2001
DKI Jakarta	14,426,813	12,312,016	12,379,120
Jawa Barat	10,400,000	9,400,000	9,400,000
Jawa Tengah	7,427,085	8,237,031	9,783,811
Jawa Timur	11,467,179	7,002,179	7,002,179
Sumatera Utara	8,877,485	8,703,388	8,703,388
Lampung	4,474,204	2,007,407	2,007,407
Provinsi Bengkulu	6,057,716	12,301,102	12,301,102
Provinsi Bengkulu	26,122,216	30,619,160	33,146,729
Sumatera	8,749,794	10,418,460	10,418,460
DI Yogyakarta	30,894,029	42,033,366	42,033,366
DI Yogyakarta	7,146,863	7,146,863	7,146,863
DI Yogyakarta	11,767,169	8,432,249	8,432,249
Jawa Timur	8,898,132	8,898,132	8,898,132
Banten	8,017,446	8,017,446	8,017,446
Banten	11,461,901	10,140,877	10,140,877
Banten	11,176,084	10,109,080	10,174,429
Jawa & Bali	8,642,004	7,149,146	7,149,146
Kalimantan Tengah	8,488,742	8,754,700	10,376,172
Kalimantan Tengah	7,332,967	7,423,213	7,423,213
Kalimantan	14,408,304	17,434,179	17,434,179
Kalimantan	7,149,146	7,149,146	7,149,146
Kalimantan	2,927,884	1,122,144	3,472,649
Kalimantan Tengah	2,927,884	6,626,084	6,626,084
Kalimantan Tengah	2,802,002	5,549,853	6,023,026
Kalimantan Tengah	7,503,284	2,540,420	3,023,722
Sumatera	8,246,421	6,876,180	6,824,001
Nusa Tenggara Barat	6,947,462	6,118,973	6,118,973
Nusa Tenggara Timur	2,743,424	3,049,439	3,277,414
Maluku	3,031,395	3,094,396	3,094,396
Maluku	3,494,476	10,237,446	10,237,446
Maluku	1,045,002	1,045,002	1,045,002
Maluku	1,168,728	6,842,876	7,868,066
Maluku	8,400,400	11,110,000	11,110,000
Maluku	8,400,400	11,110,000	11,110,000
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Provinsi/Kabupaten/Kota	2003	2002	2001
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Jawa Barat	10,400,000	9,400,000	9,400,000
Jawa Tengah	7,427,085	8,237,231	9,783,811
Jawa Timur	11,487,179	7,002,179	7,002,179
Sumatera Utara	8,877,485	8,703,388	8,703,388
Lampung	4,474,234	2,007,427	2,007,427
Provinsi Bengkulu	6,057,716	12,350,120	12,350,120
Provinsi Bengkulu	26,122,216	30,819,160	33,148,720
Sumatera	8,749,736	10,418,460	10,418,460
DKI Jakarta	30,824,220	42,023,260	42,023,260
Jawa Barat	7,146,864	7,146,864	7,146,864
Jawa Tengah	11,767,169	8,842,249	8,842,249
Jawa Timur	8,842,249	8,842,249	8,842,249
Banten	8,842,249	8,842,249	8,842,249
Sumatera	11,767,169	10,418,460	10,418,460
DKI Jakarta	11,767,169	10,418,460	10,418,460
Jawa Barat	8,842,249	8,842,249	8,842,249
Kalimantan Tengah	8,842,249	8,842,249	8,842,249
Kalimantan Selatan	8,842,249	8,842,249	8,842,249
Kalimantan Timur	8,842,249	8,842,249	8,842,249
Kalimantan Utara	8,842,249	8,842,249	8,842,249
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Sumatera Barat	8,842,249		

Proposed action

- ✳ Use of ICT for information access for the women
- ✳ General:
 - ✳ Women are marginalized to ICT and access to information
 - ✳ ICT (incl.the internet) is potential to empower women – education, health, economic, and also legal/sociopolitical aspect
- ✳ Specific:
 - ✳ Monotonous economic activity with great potentials for development – product diversification, packaging and preservation techniques, financial management
 - ✳ Self empowerment: education, health, legal/sociopolitical, and social prestige.

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Proposed action

- ✦ Use of ICT for information access for the poor/rural women (2 test beds)



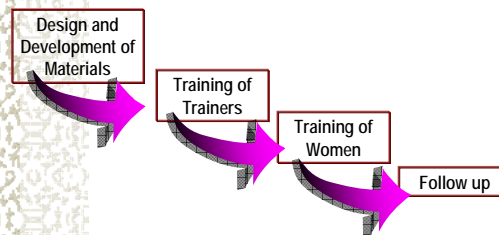
Tegallega – Bogor: Women seller



Gunung Kidul – Yogyakarta: Fisherwomen

Action Taken

- ✦ Use of ICT for information access for women (2 test beds)



Action Taken

- ✦ Design and Development of Materials



Trainer's Material

Participant's Worksheet



Small Group Review



✦ Results:

- ✦ 2 hours: only internet searching – not enough
- ✦ Participants were not able to fully understand the material.
- ✦ Participants were highly dependent on tutor/ instructors to guide them step by step.
- ✦ Computer basic needed: typing, using mouse
- ✦ Participants may be illiterate

✦ Revision on the trainers manual and worksheet:

- ✦ Must include explanation on components of computers
- ✦ Time for training need to be expanded
- ✦ translation of the terminology into local language
- ✦ systematic sequencing

Field Test

- ✦ Training of Trainers (20 teachers/student teachers) 1 day (8 hours)
- ✦ Select 4 the best trainers
- ✦ Briefing and preparation of the 4 trainers for the training

Training of women participants (10) (4-5 session-day)

Field Test – Tegallega, Bogor



The living area of the women seller in Bogor

Field Test – Tegallega, Bogor



The Training of Trainers in Bogor

Field Test – Tegallega, Bogor



The women seller in Bogor

Field Test – Tegallega, Bogor



The training of women seller in Bogor

Field Test – Tegallega, Bogor

Results:

- 👉 1 woman (graduated from the vocational school) and has Moslem Woman Clothing store hoped to be able to design her own Web store to sell the clothing products.
- 👉 Some women still found difficulties in technical skills of ICT due to different version of the program, not enough practice, and access to ICT is relatively rare
- 👉 It is expected that the training continues, to help them to learn more.

🔧 *Revision on the materials and worksheet:*

- 👉 Colorful worksheet is expected
- 👉 More elaboration on ICT terminology
- 👉 Needs to be contextualized into the women's setting

Field Test – Gunung Kidul, Yogyakarta



The living area of the fisherwomen in Pantai Baron

Field Test – Gunung Kidul, Yogyakarta



Field Test – Gunung Kidul, Yogyakarta



The Training of Trainers in Gunung Kidul

Field Test – Gunung Kidul, Yogyakarta



The fisherwomen of Pantai Baron



Field Test – Gunung Kidul, Yogyakarta



The training of fisherwomen of Pantai Baron

Field Test – Gunung Kidul, Yogyakarta

✧ Results:

- ✧ What shall I do with that big black machine box?
- ✧ How come I play with computer when usually I slice the fish everyday?
- ✧ It's scary. Will I be OK?
- ✧ It's something new and strange for me!
- ✧ *cold and sweating hands* during the first session

✧ Revision of the materials and worksheet:

- ✧ more user friendly, more contextual, with elaborated objectives;
- ✧ more elaboration on the use of mouse; more pictures/images, colorful materials
- ✧ modular for easy adjustment
- ✧ need fun and joyful games

Lesson Learned

- ✧ Pilot test (formative evaluation) is proven to be a significant phase in instructional materials development (if necessary, not only one cycle)
- ✧ The results of the pilot test does not guarantee generalizability across various audiences.
- ✧ In using the materials → equip with PowerPoint presentation. (assuming the materials can be used for both trainers and participants).
- ✧ Contextualization in the presentation and adaptation to any setting is needed (assuming that the materials is generic)

Lesson Learned

- ✧ The training as a vehicle for pilot test has been effective and has multiplier effects.
- ✧ established the availability of local experts and connection between the local experts and target groups.
- ✧ established the women's confidence to play with ICT and internet (information searching skills), motivate and encourage them to access various kinds of information.
- ✧ personal and social benefit for women
- ✧ potential economic benefit for women



Follow Up

- ✦ The ICT Skills training for women is recommended to be continued and widened to reach more women (the materials and training design to be available through the web)
- ✦ Local support is necessary (donor agencies, local government, etc.)
- ✦ Follow up action, i.e., specific economic activity which later will lead to the improvement of their livelihoods, and tied up with information searching skills is needed after the training