

Macro effects of agrofuels development & production in Indonesia

**report by
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Activities

- Workshops:
 - NGOs: 10 December 2008
 - Universities: 15 December 2008
 - Governments: 13 April 2009
- Interviews with feedstock & biofuel producers:
 - Chairman of biofuel producer association (APROBI): 22 May 2009
 - President Director, Sinar Mas Group (SMART): 10 June 2009
- Seminar in Jakarta reports findings of workshops and interviews: 12 August 2009
- Seminar in Amsterdam: 20 August 2009

Workshop with NGOs

1. Prakarsa (Darmawan Triwibowo)
2. Konsorsium Pembaruan Agraria (KPA): Idham Arsyad
3. Serikat Petani Indonesia/SPI (Ahmad Yakub)
4. Forest Watch Indonesia: Christian Bob Poerba
5. KruHA: Hamong
6. WALHI Eksekutif Nasional : Muhamad Fadli
7. Serikat Petani Kelapa Sawit Sekadau, Kalimantan Barat: Arifin
8. AMAN: Mina S. Setra
9. Sarekat Hijau Indonesia (SHI): Kilasah Khalid
10. Bina Desa: Wiwik
11. Kelompok Pelita Sejahtera (KPS): Manginar

Workshop with universities

1. Institut Pertanian Bogor (IPB), Dwi Andreas Santosa, Departemen Ilmu Tanah dan Sumberdaya Lahan, Fakultas Pertanian
2. Universitas Gajah Mada (UGM), Dr. Triyono
3. Universitas Palangkaraya, Kalimantan Tengah, Dr. Ir. Akhmat Sajarwan, MP (Pusat Penelitian Sumberdaya Lahan & Perairan),
4. Universitas Gajah Mada (UGM) Yogyakarta, Prof. Dr. Nurhasan,
5. Universitas Tanjungpura Pontianak , Seko SH, Fakultas Hukum,
6. Lembaga Perlindungan Saksi dan Korban, Lili Pintauli, SH, (Anggota Komisi, Lembaga Perlindungan Saksi dan Korban)

Workshop with governments

Out of 13 ministries involved in the National Team for Biofuel Development for Accelerating Poverty Alleviation and Job Creation:

1. Badan Koordinasi Penanaman Modal Nasional (Ir. Didiek H Gunadi)
2. Departemen Energi dan Sumber Daya Mineral (Ir. Saryono H)
3. Departemen Perindustrian (Benny W)
4. Direktur Jendral Perkebunan, Departemen Pertanian (Andi Iskandar)
5. Kementerian Lingkungan Hidup (Antung)

Findings: identified macro effects

1. **Agrarian justice:** (1) Lack of mitigation measures to protect rights to land in plantation development; (2) Lack of new legal framework on agrarian reform; and (3) Lack of safeguard to secure status and ownership of lands
2. **Energy sovereignty:** (1) Biofuel industry would not contribute to cheap accessible energy; (2) Biofuel projects would not increase peoples' access to energy; (3) Energy Self-Sufficient Village provide inadequate energy for rural peoples.
3. **Water rights:** (1) reduced water consumption (per capita); (2) pollutions in rivers and water resources by agrofuels and their processing mills; (3) conversion of riparian; and (4) no access to watershed areas under use rights (HGU).
4. **Food sovereignty:** (1) no guarantee that the government will stop converting/allocating agricultural lands to agrofuels; (2) no guarantee of food sovereignty of the government; (3) Indonesia only has concept of food security; (4) no guarantee of recognition to indigenous peoples' subsistent agricultures; and (5) food security strategy is not based on priority

Findings: cross-cutting macro effects

- **Environment degradation:** (1) forest and land fires, conversions of forests and peatlands release great amount of greenhouse gas emissions; (2) huge application of non-biodegradable and dangerous agrochemical, pesticide and herbicides including fertilisers; and (3) climate change and global warming
- **Biodiversity lost:** (1) lost of endangered and rare flora and fauna habitat such as orang utan for oil palm; (2) increase significant species lost (126 in Central Kalimantan);
- **Gender injustices:** (1) increase time and burden domestic works when loss access to clean water, energy needs and expensive health for women; (2) home gardening and food crops growing because lost productive land; (3) lost domestic living/herbal medicines; (4) lost local wisdoms part of socio-cultural system; and (5) emerging social pathology results in domestic violence against women and children

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