















WATER TREATMENT TECHNOLOGY FOR SUSTAINABLE DEVELOPMENT

Ragil Yoga Edi











OUTLINE

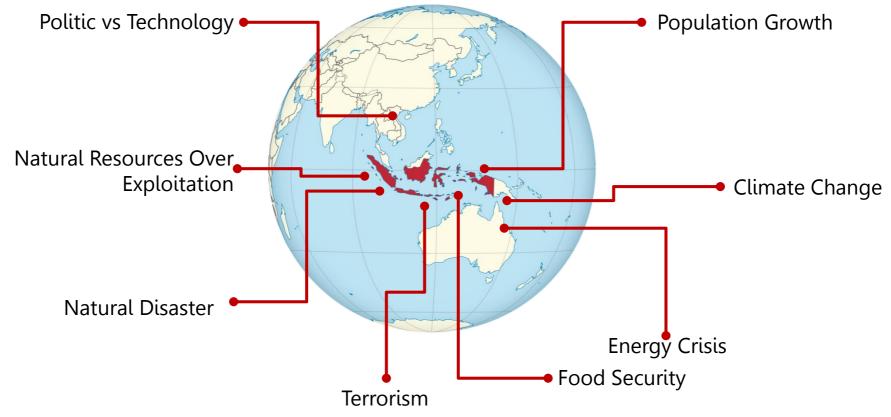






GLOBAL CHALLENGES











RIVER WATER RESTORATION











ULTRAFINE OXYGEN REACTOR













PEATLAND WATER TREATMENT



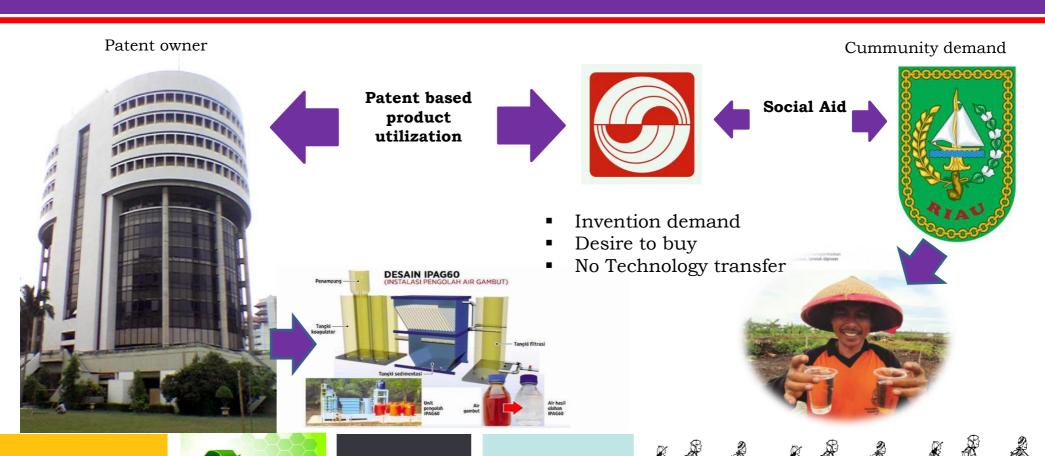








KERJASAMA PEMANFAATAN





WATER TREATMENT FOR FISHERIES





Potential invention:

- Aquatic pond filtration system
- Feed formulation
- Aquatic ponds construction

Utilization:

- SME/Private sector
- Local Community
- Science & Technology Park







PEATLAND WATER POTENTIAL



Peat Water Fishery Potential in Siak and Palawawan





PEATLAND WATER POTENTIAL



Sei Tohor: Sago Processing

Peat Water Processing Sago Starch Processing (Dryer) Sago Pith Waste Processing (Fermentati on)

Siak: Peat Water Fishery

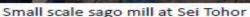
Hatchery

Feed (formulation and production)

Fishery management

All technology is already available (research center and/or open market







Baung Hatchery at UIR



Tuakang Fish Catching area at a secondary

Canal









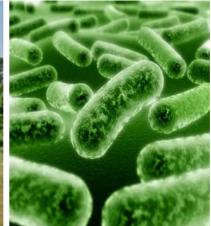
MICROBIAL BIOPROSPECTING





- Microbial Depository
- Utilization of germ
- Projected to be patented microbes depository













PEATLAND WATER POTENTIAL



Baung Larva Culture in Aquairum--UIR



Hatchery Ponds



Baung Larva Culture in Aquairum--UIR



Baung Pond in UIR



Mature Baung Fish for hatchery



Microbes-based functional feed for Baung fish developed by RC Biology LIPI











THANK YOU

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