



NATIONAL ENVIRONMENT RESILIENCE THROUGH TERRITORIAL DEFENSE



Left to right: Deputy Chief of Staff of Navy, CEO of Urban Solutions Institute- Nico Barito, Chief of Indonesia Armed Forces- General Djoko Santoso, Chief of Staff of Army, Governor of West Java-Ahmad Heryawan, Chief of Staff of Air Force.

Indonesia archipelago with its more than 17,000 islands is home of 230 million people; located in the Southeastern Asia, straddle by the equator and stride from Indian Ocean to Pacific Ocean. National terrain is mostly coastal lowlands with coastline of more than 54,000 km; larger islands have interior mountains, highland. The abundant natural resources and minerals, obviously attracts vast development of upstream to downstream industries which may impact on environment degradation and natural hazards. Indonesia has suffered from series of occasional floods, severe droughts, tsunamis, earthquakes, volcanoes, forest fires and the environmental issues of deforestation; water pollution from industries sewage; air pollution in urban areas; smoke and haze from forest fires.

Indonesian Armed Forces is committed to the assurances of national unity and to attain peace for the community and the world. The military has achievement in community devotion programs and assist the people during disaster and accelerate recuperation.

Urban Solutions Institute 'USI' has developed strategic partnership with the Indonesian Armed Forces by empowerment of territorial defense to strengthen environmental resilience and to achieve the prosperity of the people and the future armed forces; the generation of tomorrow.

The Seminar, was officiated by the Chief of Indonesian Armed Forces (TNI), in Bandung, on March 24, 2009, and attended by Regional Military Commander from Jakarta & Java, military officers and district commands, local governments, communities, students, academics and NGOs' co-hosted and co-sponsored by Urban Solutions Institute in collaboration with UNJANI 'University of Gen. Ahmad Yani', and supported by West Java province and The Regional Military Command 'Kodam 3 Siliwangi'.

During his introductory remarks, Nico Barito, CEO of Urban Solution Institute (USI) expressed, the Seminar is aimed at disseminating the first pilot project of the rehabilitation and reconstruction of Citarum River basin which has a strategic and economic function being the buffer zone of Jakarta, the Capital City of Indonesia.

“The operation of environment reconstruction and rehabilitation is one of the TNI duties in Military Operations other than War which is aimed at preserving environmental defense a part of national defense”

General Djoko Santoso in his opening remark, stated that one of the duties of the Indonesian Armed Forces (TNI) is to empower the defense territory as well as its supporting forces in due time in accordance with the holistic defense system, particularly in Military Operations other than War as stipulated in the National Law No. 34 year 2004. In this context, the operation of environment reconstruction and rehabilitation is one of Military Operations other than War which is aimed at preserving environmental defense as part of national defense.

The Governor of West Java underlined his particular concerned on environmental degradation in West Java. For this reason, he commended the involvement and active role of the Indonesian Armed Forces (TNI) in its undertakings to help solve natural hazard. In particular to the rehabilitation and reconstruction of Citarum River Basin, Governor Ahmad Heryawan highlighted the availability of Rp. 30 billion which he disbursed annually to the regencies and districts in the attempt of national environment rehabilitation movement.



The Seminar features interactive dialogue between the speakers and the audiences to share vision and thoughts to synchronize the aspirations and the expectation of all stakeholders.

In the first session, prominent environmental expert Prof. Emil Salim; Donald Goh from USI Singapore and Gerry Crawford, State of New Hampshire; Drs. Heriyono, Rector of UNJANI; Dr. Setiawan Wangsaatmadja, Chairman of West Java Environmental Agency; and Ir. Ibrahim Suriamihardja, Director of PT Damba Intra operator of integrated hazardous waste water treatment for industrial cluster; were invited to convey their views on the environmental particulars.

‘Water and Democracy’
Prof. Emil Salim emphasized the importance of building a new paradigm in order to prevent water crisis. He also welcomed The Indonesian Armed Forces effort in rehabilitating and reconstructing the Citarum River.

In the second session, the Seminar invited representatives of Asian Institute of Technology – Center Indonesia; Indonesian Red Cross and Indonesian Scouts; Law Practitioner on community’s intellectual rights in the sphere of land affairs & environment; and Bandung Regency to share their experience in environmental care.

Substantive Summary

The Seminar noted the presentations delivered by the speakers and identified some convergence elements as transpired from the discussion, as follows:

- Indonesian Armed Forces plays an important role in the process of environmental rehabilitation and reconstruction to bring about environmental defense. The involvement and empowerment of local community, prominent religious figures as well as youth (youth organizations, Scouts Organization, etc.) will accelerate the efforts to preserve the environment.

- Environmental destruction could create negative impacts to National Defense as a whole. In this regard, the Indonesian Armed Forces (TNI) - who possesses a clear chain of command, is expected to initiate the efforts to preserve the environmental defense.
- The efforts to rehabilitate and reconstruct the Citarum River Water Course Area could be preferably made as a pilot project and a model to be carried out in other polluted areas.
- The communal based activities could contribute to the acceleration of national efforts in carrying out sustainable development
- A new paradigm should be made to overcome water scarcity. Water should be regarded as a part of ecosystem network that is needed for the continuation of community’s life. Furthermore, a democracy that includes socio-political, economic and ecological aspirations should be created to support sustainable development.
- The Citarum River plays an important role in providing water availability in West Java. The Citarum River provides hydro electrical power through its three dams, namely Saguling, Cirata and Jatiluhur which supplies power to Java & Bali.
- The degradation of Citarum river is also caused by economic growth, population density, as well as Regional Autonomy that trigger increasing forest conversion. The damage of the Citarum River has spread and reached its peak due to lack of good governance.
- A comprehensive effort to overcome the destruction in the Citarum Basin and its surrounding should be made by involving all stakeholders. In this context, the involvement of the Indonesian Armed Forces (TNI) is an important element to convey the discipline of rehabilitation and reconstruction.

The participants expressed strong recognition to territorial defense and its endeavor to involve the elements of local communities





Assistant of Chief of Indonesia Armed Forces Mayor Gen. Suprpto presented Prof. Emil Salim with token of appreciation; with Rector of UNJANI Drs. Heriyono (far left), Donald Goh of USI Singapore, and Gerry Crawford, Commercial Consul to Asia from The State of New Hampshire on the background.

- The efforts undertaken by Indonesian armed forces to rehabilitate and reconstruct the Citarum River Basin should be initiated by adjusting the map of military district with the spatial planning of the cities and regencies within the Citarum Basin Afterwards, an Analysis on Operational Area should be made to determine the implementation of the pilot project.
- Cross-sectoral efforts are required to solve the problem of pollution and water scarcity in the Citarum River watercourse. It is prerequisite for the local government to undertake policy coordination, particularly on the aspects of conservation, spatial planning, monitoring and many more.
- In order to rehabilitate critical land, a number of steps should be undertaken such as reforestation, conservation of water sources, and the management of Damba Intra in managing industrial waste water as well as household waste water is a good example to reduce the amount of the pollution. Improving the infrastructure and public social facility is also an important element.
- The success of the pilot project could be set as a good example. And could be replicated in other polluted rivers, such at Bengawan Solo River in Central Java or other regions in Indonesia.
- The people must understand the economic value of water (water is not free). This could optimize the availability of source of water which is required for farming, fishing as well as for the community's daily use.

The seminar is officially adjourned by Mayor General Rasyid Qurnuen, Chief of Regional Military Command 'Kodam -3 Siliwangi' whom will take lead in the day to day activities of the pilot project.

Following recommendations are released:

- The tackling of pollution and water scarcity in the Citarum River basin requires common perceptions as well as community's commitments, both up stream and down stream.
- Modalities of partnership and long term commitment between the Indonesian Armed Forces and Urban Solutions Institute is significant to maintain long term strategic alliances with donators and other stake holders for the implementation of 'go green' by the people at the grass root level in accordance to the local condition and policy of the government.
- Programs directed for environmental defense (such as reforestation, river rehabilitation and reconstruction, garbage (waste) handling) should be implemented comprehensively and not partially, so that the program could be integrated.

USI focuses on vocational learning, training, and capacity-building within 'sustainable urban development & coherences of urban – rural development'

- Continuing dissemination and socialization by the mass media, such as in the form of public service advertisement, is an important element to strengthen environmental defense.
- Activities carried out to preserve the environment should give added values for the community, in line with the spatial planning and existing regulations set by the Government.
- The Government and NGOs should actively provide counseling and socialization to the people on the importance of environmental preservation in order to achieve a healthy and prosperous community.
- Capacity building and training on environmental preservation should become part of the agenda; while elementary education should include understanding and social awareness to clean and sound environmental from early age.



Among the guest of honors are (from left to right): former Governor of West Java, Nuriana; Director of USI Singapore, Donald Goh; Commercial Consul of State of New Hampshire to Indonesia, Maman Suryaman; Commercial Consul of State of New Hampshire to Asia, Gerry Crawford; seated together with Prof. Emil Salim.

