

Developing of Wood Processing Workshop and Capacity Building for Forestry Vocational High School (SMK) at Kadipaten, West Java, Indonesia

Project Duration January to December 2013

Project Budget USD 100,000

► Overview

The project "Developing of Wood Processing Workshop and Capacity Building for Forestry Vocational High School (SMK) at Kadipaten, West Java, Indonesia" was a one-year project implemented by Forestry Extension and Human Resource Development Agency, Ministry of Forestry, Indonesia with financial support from Korea Forest Service. The Implementation Agreement was signed on 29 August 2012.

The project supported the installation of wood-based biomass energy processing workshop and to enhance the capacity of the Forestry Vocational High School (SMK) at Kadipaten, West Java. It was designed to upgrade the intelligence, knowledge, personality, morale, and skills of the students to progress on further education in accordance with their specialization. As a formal vocational education level, SMK aimed to prepare students to become professionals who are independent and experienced in supporting the development of forestry at the national and international levels with reliable and highly skilled technical personnel.

Therefore, the need for skilled personnel (vocational students) who provide expertise in identifying the materials and processing wood biomass energy and derived products is necessary. To support these skills, adequate

facilities and infrastructure are required to train students on the use of wood materials in an effective way. The ability to operate basic machinery for wood biomass energy industry will be one of the advantages of the SMK vocational school graduates.

► Objectives

The objectives of the project are to:

- Train technical forestry professionals to become independent, competitive and well-experienced in the field of wood processing industry, especially wood biomass energy;
- Improve SMK's quality of teaching, learning materials and activities by achieving harmony between theory and practice and wood processing/wood biomass energy processing technology; and
- Support production facilities and infrastructure of SMK's wood processing workshop.

► What have been done!

- Developed a wood-based biomass energy processing workshop
- Built capacity of forestry vocational high school students at Kadipaten, West Java, Indonesia



Training workshop of wood pellet processing, conducted in Center for Forestry Education and Training and Forestry Research and Development Agency in Bogor, Indonesia on 1-6 July 2013.



► The Result

In collaboration with the ASEAN Secretariat and the Korea Forest Service, the Forestry Extension and Human Resource Development Agency, Indonesia developed a wood-based biomass energy processing workshop and actively initiated and participated in the capacity building of Forestry Vocational High School (SMK) students at Kadipaten, West Java, Indonesia

The establishment of the wood-based biomass energy processing workshop for SMK at Kadipaten supported the school's curriculum to upgrade students' skills. With regards to capacity building, the training on wood-based biomass energy processes in Bogor, West Java and a field study to a Korean wood-based biomass energy industry in Wonosobo, Central Java imparted valuable knowledge to the participants and served as a platform for knowledge sharing and technological transfer.

Through their visit to Wonosobo, the SMK headmaster and staff were able to come up with a complete package of their desired machine specifications. The project also contributed on documentation of the procurement of machineries in accordance with the regulations stated in the Presidential Decree on equipment procurement.

► The Future

SMK at Kadipaten is expected to become a pioneer or model of other vocational high schools in terms of producing wood pellets, which are suitable for use as household, agricultural and industrial fuel. SMK Kadipaten has a strategic role in training medium-skilled labor and is ready to use wood processing to harvest wood biomass energy.

Aside from purchasing machineries, SMK plans to implement training workshops to increase the capacity of teachers focusing on wood pellet processing technology, the social economic aspect of wood pellet processing, and wood energy cultivation. As they are committed to include wood pellet processing as part of the curriculum, it is vital to strengthen their capability to impart knowledge.

It is essential to emphasize the importance of forestry education and hence they were encouraged to inform AFoCo about their future plans. It is also suggested that activities be prioritized based on their country's needs in terms of forestry education. Eventually, Indonesia is expected to strengthen their role as a leading country in providing feed network on forestry education and training in the ASEAN region through the regional collaborative project under the AFoCo.



The ASEAN-ROK Forest Cooperation (AFoCo) is a regional cooperation mechanism in the forest sector between ASEAN Member States and the Republic of Korea. It was formalized by the "Agreement between the Governments of the Member States of the Association of Southeast Asian Nations and the Republic of Korea on Forest Cooperation", which was entered into force in August 2012. The AFoCo aims to tackle the issue of deforestation and forest conservation in the context of sustainable development, and broaden the scope to other Asian countries.

