

EDU-GARDEN TRAINING FOR SUPPORTING ISLAMIC BASIC EDUCATION IN MEDAN

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Abstract

Community service activities are focused on the problem of enriching the understanding and practice of making governance a simple garden, edu-garden, which can be done by the students of primary school in Medan city rural areas, with the conditions of the lack of urban green areas as well as the mandate of the national education, 2013 to make education sustainable environment-based vocational called as Adiwiyata school. Partnering with school teachers MIS Al Hidayah Medan Johor and Medan Selayang, be forming edu-garden as an alternative to the procurement of the garden utilizing household waste. Minimal conditions to the availability of land recycling infrastructure can be used for urban green movement through practical training programs edu-garden forming by utilizing waste for gardening activities. The result is the creation of edu-garden forming by teachers and students as teaching materials module based educational environment. The results of the simulation training and edu-garden forming this a viable alternative layout creation of urban green neighborhoods in order to achieve environmental health and public welfare.

Keywords : Edu-garden, primary education, Adiwiyata school, simple garden.

INTRODUCTION

Medan city in its development to the metropolitan city as well as an increase in community activities that prioritize environmental management of urban green areas as one of the goals of urban infrastructure development and quality of life [1]. The population is very significant to the city land cover due to the growth of settlements. Residential building conditions such as shop and home resulting solid traditional lack of Medan city urban green[2]. The pattern of behavior of people in covering their home yards resulted in the low level of green area in this neighborhood. Dinas Pertamanan of Medan city study in 2016 stated this urban green problems besides the lack of

reforestation area, not well-organized urban landscape and environment.

Social capital plays a very important to the functioning and strengthening of modern society[3], including the management of the city reforestation. Community participation as social capital is a social resource that can be seen as an investment to obtain new resources in the community. Therefore, social capital is believed to be one of the main components in moving together, the mobility of ideas, mutual trust and mutual benefit to achieve common progress. One of the main social capital is a teacher, especially at the primary level[4]. Children as the foundation stone of a culture of environmental preservation. Thus overcoming problems of the city reforestation and urban green areas can be approximated by

strengthening the social capital of community participation.

Based on the background of the lack of urban green areas inequality and green initiatives Medan city coordination efforts are needed to increase community participation education. Involving community service team of Universitas Sumatera Utara (USU) is expected to facilitate communication and interaction, allowing the growth of trust and strengthen cooperation to increase public participation in the field of greening the city is expected to improve the vitality of the region prosper Medan city environment.

From the situation described above, there are issues that partners in the field is not the availability of land for public landscaping and lack of knowledge creation manufacture alternative reforestation with edu-garden forming techniques independently. Lack of community involvement in the education expand greening area with various planting techniques is also an issue of transfer of knowledge between experts with the public [5]. In addition, these activities will support the accreditation standards of basic education to school-based environment, Adiwiyata, with emphasis afforestation[6] by using materials that can reuse - recycle - reduce.

METHOD OF EXECUTION

The application of these USU partners have completed community service by forming training assistance edu-garden as a green alternative productive land provision involving the education community participation. This training will be a workshop and training involving the MIS Al Hidayah school teacher. Results in socialized workshops and simulated directly to parents and the community in the surrounding environment in order to accelerate understanding of healthy lifestyle behaviors to manage environmental reforestation.

Method of implementation of this service is a training and simulation activities are carried out in the USU partners, with the contract between the Chairman of the activities devoted to the Chairman of Lembaga Pengabdian Masyarakat (LPM) USU. The initial phase of the implementation is done by field observations of the condition of limited urban green areas for reforestation in the school and the potential for human resources, teachers and school administrators. The results of observation are used as the data for analysis of the behavior and understanding of the environment in general[7], and special edu-garden teachers.

Through SWOT analysis in a Focus Group Discussion among school administrators then formulated models of edu-garden [8] to be applied at the school. From the results of the mapping created a technical guide manufacture edu-garden which will be drilled in the form of training workshops for teachers, school administrators and students assisted by a team of students at USU level. This technical guide will be equipped with an evaluation and manual format as well as the planting of forage edu-garden care. Upon completion of this training the community service team will perform simulations manufacture and installation of edu-garden directly at the site of the next field, a final report on the activities of accountability for the implementation of activities.

Use of the material to be used in the manufacture of edu-garden using materials readily available around us, as a material that can be reused, which can be processed for recycle and other materials that can be reduced waste products, or in term 3R[9]. Used bottles of mineral water and other household appliances will be unused basic materials and accessories in the manufacture of this edu-garden. These activities also complement related equipment in making this edu-garden.

RESULTS AND DISCUSSION

With a target to the creation and improvement of skills knowledge of school teachers and students, the physical target field is the production of creations edu-garden creative deal with the amount of household waste productive that can be utilized as an edu-garden interest, the availability of models edu-garden, edu procurement simulation-garden and urban green management techniques at home / school with good management create a healthy environment.

In keeping with the focus of this activity has been carried out observation placement locations of edu-garden, technical training and simulation manufacturing edu-garden (in MIS Al Hidayah Johor and Selayang), assisted by students of the Department of Architecture USU (Figures 1 and 2). Followed by a simulation of making edu-garden materials(Figure 3) and carried out monitoring and evaluation of activities(figure 4). And at the end, there is finalization of the activities carried out by the preparation of community service activities.



Figure 1. Preparation of edu-garden materials by USU students



Figure 2. Edu-garden prototype materials from household waste



Figure 3. Training and simulation edu-garden on USU partner



Figure 4. Monitoring and evaluation of activities by LPM USU

CONCLUSION

This activity becomes *transfer of knowledge* among the expert community with results to the creation of edu-garden forming by teachers and students as teaching materials module based educational environment. Training and

simulation edu-garden forming is becoming a viable alternative layout creation of urban green neighborhoods in order to achieve environmental health and public welfare.

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