EMPOWERING SOCIETY, DESIGNING SHOW AT BANJARAN BANDUNG

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ABSTRACT

Survey Activities of "Empowering Society" activities were carried out in Dusun Wangun, Pasirmulya Village, Bandung Regency. This activity aims to improve and develop the conditions of Wangun Hamlet, Pasirmulaya Village, Bandung Regency. The targeted increase this time is the decision that needs to be taken regarding the cultural tourism village stall in Wangun Village. The decision taken is whether the stall needs to be built from scratch or just enough to be renovated. In addition, this activity also looks for parts of Wangun Village that can be developed or improved. This activity is carried out using surveys and observations. Of course, utilizing surveys and observations, each party involved in the activity needs to be on site. In this case, the parties involved are Community Development Academics from BINUS University and lecturers from BINUS University who can contribute to this activity. The activity began at the BINUS Syahdan Campus, where the parties involved began working in the village of Wangun Village. Arriving at Wangun Village, the parties involved carry out the survey and observation of the survey location, namely the Wangun Village cultural tourism village and locations around Wangun Village. From observations, it has been determined based on a joint decision that the stalls will be remade, not renovated. The stall will be made with a size of 3 meters x 3 meters. The stall design is made in 2D and 3D form at AutoCAD to facilitate the stall construction, as well as the materials needed for construction have been made in MS. Excel. Empowering Society activities can be continued by following the design and pricing plans for the stall.

***Keywords**:* Drawing; Shop Construction; Survey; Sustainable Design

INTRODUCTION

BINUS University develops the Tri Dharma of Higher Education which includes teaching, research, and community service activities. The Faculty of Engineering, Civil Engineering

Department as part of BINUS University has a community service program organized by lecturers, Binus humanitarian organizations such as TFI, and BINUS University students following the University's vision and mission. In this program, an activity is carried out with the title "Survey of Empowering Society Activities".

IMPLEMENTATION AND METHODS

Wangun Hamlet is in West Java Province, Bandung, Banjaran. The image below shows the boundaries of Banjaran. Dusun Wangun has a large coffee business, apart from that this village is also looking to create a kind of cultural tourism village to attract a lot of tourists from outside as well as migrants from other villages.

Figure 1. The boundary of Banjaran Area, Bandung (google maps)

Target

The target of this activity is the revitalization of the cultural tourism village of Dusun Wangun in the form of renovation and/or rebuilding of stalls and improvements and developments that can be implemented in Dusun Wangun.

Output and Outcome

The output of this activity is to decide whether to renovate or remake stalls in cultural tourism villages. It is also decided whether there are other activities to be carried out to improve and develop Dusun Wangun. The outcome of this activity is to improve the quality of the cultural tourism village and attract lots of tourists or newcomers.

Activity

Form of Activities

Community service activities in Dusun Wangun were carried out on November 6, 2019. This activity included surveying the location of the construction of a cultural tourism village. In the cultural tourism village, there are several stall buildings where it will be decided whether the stall needs to be renovated or destroyed and rebuilt. In addition, this survey activity was also carried out to see village needs that had not been met or that could be developed or improved.

Activity Process

The activity was carried out by starting the departure from the BINUS Syahdan Campus at 4.30. The journey continued until it finally reached Wangun Hamlet. Arriving at Dusun Wangun, civil engineering lecturers (Andi Bayu Putra and Caroline Maretha) surveyed the location of the stall to see the current condition of the stall. The following picture is the condition of the stall when it was implemented.

Figure 2. Stall Condition During Location Survey

From the results of the survey above, it was determined that the shop would be built from scratch, not renovated. One of the reasons was the condition of the stall at that time was no longer supportive and the size of the stall was very small. Based on discussions with Mr Yoyo, head of RW 12 Dusun Wangun and one of the work supervisors in the village, it was decided

that the new shop would have a size of 3 meters x 3 meters with a "bird's nest" design. The table below shows the materials needed to complete one stall.

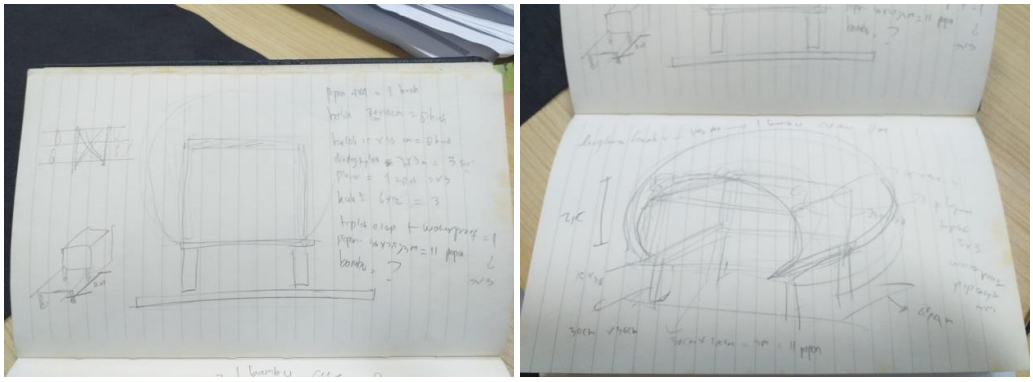

Figure 3. Rough Sketch Plan (by hand)

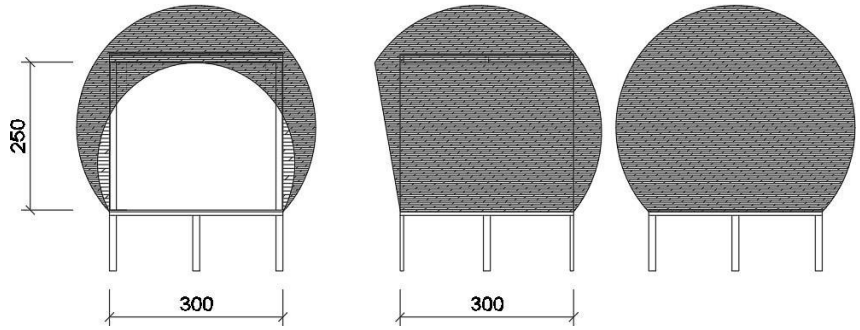

Figure 4. 2D Sketch

Figure 5. 3D Sketch

Based on the designs above, the shop will be formed according to the details of the materials and designs that have been provided. Below is the estimated cost for the construction.

Table 1. Cost Estimation

Material		Volume	Unit Cost	Cost
bamboo booth	8x3	24	Rp75,000.00	Rp1,800,000.00
Edison lamp		5	Rp12,000.00	Rp60,000.00
eternal cable		5	Rp4,580.00	Rp22,900.00
Stop contact plus bronco switch		1	Rp31,000.00	Rp31,000.00
size 12 nails		0.5	Rp18,000.00	Rp9,000.00
front board		11	Rp75,000.00	Rp825,000.00
board 3x20		7	Rp75,000.00	Rp525,000.00
waterproof paint		0.5	Rp220,000.00	Rp110,000.00
4mm triplex ceiling		1	Rp62,000.00	Rp62,000.00
horse2 6x12		3	Rp100,000.00	Rp300,000.00
plywood 0.5cm		3	Rp57,000.00	Rp171,000.00
beam 6x12		13	Rp80,000.00	Rp1,040,000.00
beam 2x3		9	Rp15,000.00	Rp135,000.00
Total				Rp5,090,900.00

Overhead	Rp509,090.00
Builder Cost Estimation	Rp450,000.00

Total	Rp6,049,990.00

These materials were chosen because it is abundant in volume at the location, especially for wood materials and bamboo materials. The shape was chosen based on the booths that were built in other recreational areas in Asia. It was also chosen based on discussion with the people that will eventually use it.

Documentation

Below is the documentation for this community service

Figure 6. Documentations

Enrichment Materials

Below are the enrichment materials made from this community service. These materials are most suited for students that take: CIVL6108013 - Drawing Construction; CIVL6080013 - Construction Methods & Heavy Equipment.

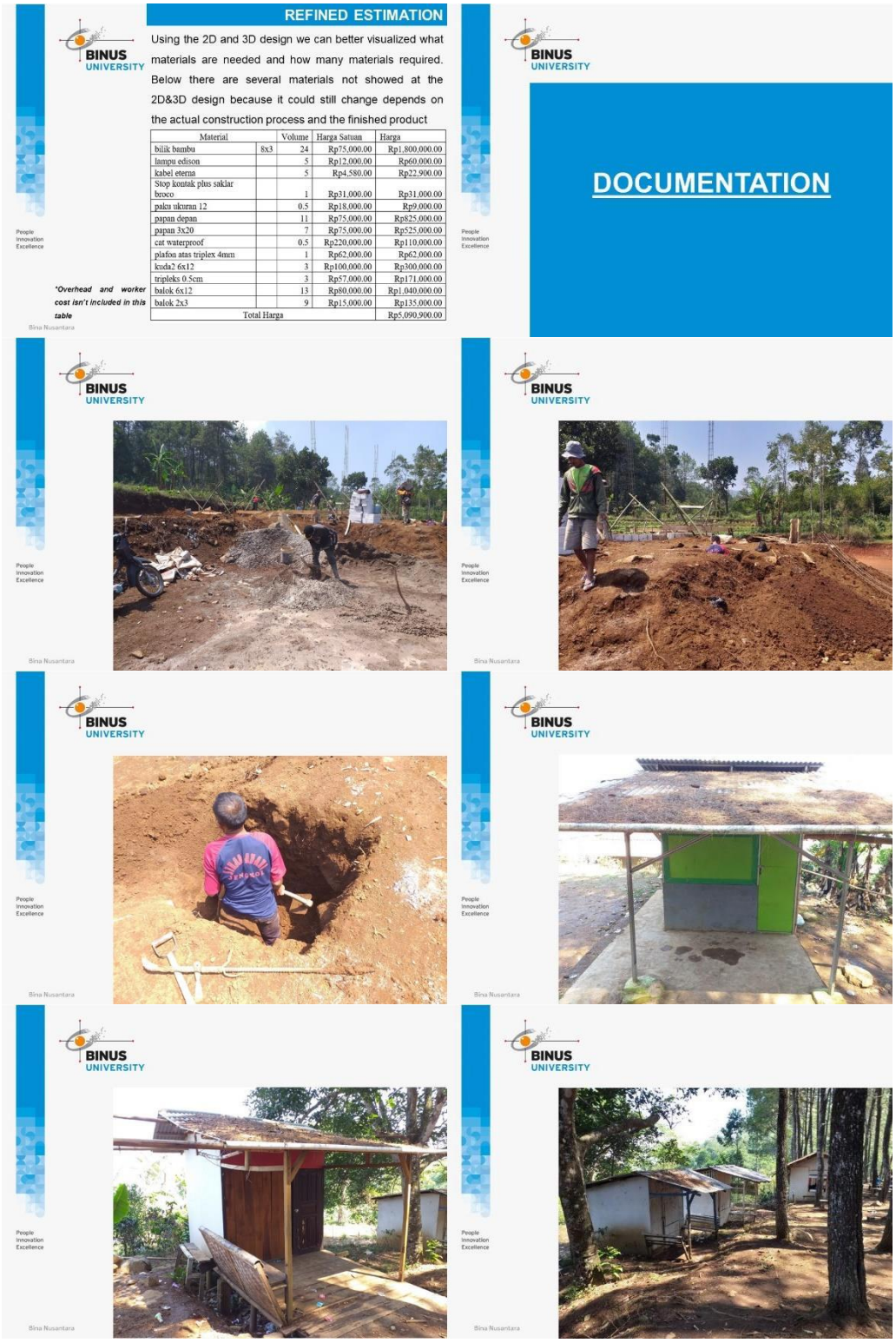

Figure 7. Enrichment Material Drawing Construction and Construction Methods & Heavy Equipment

RESULT AND DISCUSSION

The results of the community service is published in one BINUS University youtube video, called *CeritaBINUSIAN 34 - Bangun Desa Pasir Mulya jadi desa wisata dengan berbagai pesona.*With a link: https://www.youtube.com/watch?v=Xip4H_phxgE&ab_channel=BINUSOFFICIAL and

https://www.binus.edu/fostering-and-empowering/post/bangun-dusun-wangun-jadi-desa-wisata-dengan-berbagai-pesona

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