

Counseling And Making Environment Friendly Cleansing Using Fruit And Flower Extractsin The Framework Of Increasing The Welfare Of Teachers And Preparing Independent Entrepreneurship For SMA-IT Studentsriyadhussholihiiin Islamic Boarding School- Cimanuk-Pandegelang

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Abstract.

This community service is carried out in the context of foreign cooperation where the partner is Professor Dr. Yusliza Mohd Yusoff from Universiti Malaysia Terengganu (UMT). We carry out this community service activity with the theme "Counseling and Making Environmentally Friendly Cleaners Using Lime Extract In the Context of Improving the Welfare of Teachers and Preparing Independent Entrepreneurship for SMA-IT Students at the Riyadhussholihiiin-Cimanuk- Pandegelang Islamic Boarding School." The targets in this activity were teachers and students of class XII SMA-IT at the Riyadhussholihiiin-Cimanuk-Pandegelang Islamic Boarding School. They were given training and directly practiced making eco-friendly cleaners using lily extract. The PPM team will also provide assistance until the product can actually be marketed. The initial target for this product is to be used alone and sold to the laundry unit at the Riyadhussholihiiin Islamic Boarding school. The next target will be sold to people outside the Riyadhussholihiiin Islamic Boarding School. Activities will begin in February 2023 (In Sya' Allah) and end in June or July 2023. However, assistance will continue to be carried out to maintain the continuity of these activities. Professor Dr. Yusliza Mohd Yusoff s as a partner will inspect the field directly or monitor through the Vicon Zoom Meeting. The results of these activities are in the form of increased welfare for teachers obtained from the sale of environmentally friendly cleaning products. Also for students after graduation they can do entrepreneurship to make these products, both students who continue their studies and those who do not continue their studies can still do entrepreneurship. Evaluation can be done by monitoring the location after the community service implementation period is over. Assistance will continue to be carried out to maintain the continuity of the production and sales process.

Keywords: Environmentally Friendly Cleaners, Increasing Welfare and Independent Entrepreneurs.

I. INTRODUCTION

Situation Analysis

The Riyadhussholihiiin Islamic boarding school is an Islamic education institution located in Rocek village, Cimanuk sub-district, Pandeglang district, Banten which is engaged in formal and non-formal Islamic education. The Islamic boarding school which was founded on July 1 2010 is located at the foot of two mountains, namely Mount Sari Island and Mount Karang. The Riyadhussholihiiin Islamic boarding school is built on the foundation of TAQWA with the Principles of the Qur'an and Sunnah, seeks to return Islamic society to the true Islamic way that came from Allah and His Messenger and seeks to educate and equip da'wah cadres with Aqidah Sholihah, 'Worship, Adab and Morals and Mu'amalah based on the Qur'an and Sunnah with Manhaj Salafus Sholeh, Ahlus Sunnah wal Jama'ah and added special material on Memorizing the Qur'an which is also combined with general knowledge and skills guided by teaching staff graduates at home and abroad .The Riyadhussholihiiin Islamic boarding school stands on 15 hectares of land and has very representative classrooms and dorm rooms.

The number of students in the Riyadhussholihiiin Islamic boarding school is currently around 1200 students (only specifically for men), for female ma'had is in the process of preparing for development. Existing facilities at the Riyadhussholihiiin Islamic boarding school include its own building (PAUD, SD, SMP, SMA, High School buildings, office buildings, mosques which are separated between SMP, SMA and Daar Syari'ah, student dormitories, libraries, laboratories, asatidz houses, guesthouses, mini markets,

boutiques, halls, canteens, kitchens), internet access, and sports fields. Carrying out the Prophet's Da'wah Treatise, through the Scientific Cadreization Institution in the form of Islamic Boarding Schools with the manhaj salaf, is the vision of the Riyadhushsholihin Islamic Boarding School. The mission is as follows :

1. Returning Islamic teachings to the authentic Al-Qur'an and Sunnah with a Salafusshaleh understanding.
2. Tashfiyah (purifying Islamic teachings) from all the stains of polytheism, bid'ah, khurofat and thoughts that can damage Islam.
3. Tarbiyah (educating) the Muslims to pure Islamic teachings.
4. Revive a scientific mindset based on the Qur'an and Sunnah with an understanding of Salafusshaleh.
5. Invite Muslims to live an Islamic life in accordance with the manhaj ahlusunnah wal jama'ah.

The Islamic boarding school which has educational programs for PAUD, SD-IT, SMP-IT, Daar Syari'ah Middle School, Daarul Huffazh Middle School, Daarul Huffazh Middle School, IT High School, Daar Syari'ah High School, Daarul Huffazh High School and STAIRS combines two curricula, namely the Religion curriculum or pesantren and the general curriculum, in which graduates are expected to be not only proficient in the field of ulumul shari'ah but also have insight and knowledge of general sciences. As for the existing education programs, when viewed from the curriculum used, it is divided into two programs; namely Formal programs and Non-Formal programs. The formal program is a program that combines the curriculum of Islamic boarding schools with the curriculum of the Ministry of Education and Culture (KEMENDIKBUD), with a percentage of 60% religious curriculum and 40% general curriculum. The education level in this program is SMP-IT and SMA. In addition to obtaining a state diploma from the Ministry of Education and Culture, graduates from this program will also receive a diploma from an accredited Islamic University of Medina. Along with its development, the Riyadhushsholihin Islamic Boarding School continues to improve facilities for students. One of the facilities developed is to set up a laundry unit within the cottage location, where previously the laundry for students' clothes was handed over to a third party outside the cottage.

Each student washes his clothes in the laundry unit. If the current number of students is around 1200, then the need for soap/cleaners is certainly very large. This is an opportunity for other business units in the boarding house to sell soap to the laundry unit. Besides that, the need for soap and shampoo for students is also very large. Of course this would be better if the students' soap and shampoo could be purchased inside the hut. This is a second opportunity to sell the cleaners that the cottage will produce itself. So far, synthetic chemical cleaning agents have been used for washing. Besides being useful as a cleaner, it also has a negative impact on the health of its users and the environment. For example, the type of detergent that is widely used in households as a material for washing clothes is a detergent containing ABS (alkyl benzene sulphonate) which is a relatively strong detergent. These detergents are difficult to decompose by microorganisms (non-biodegradable) so that they can cause environmental pollution [1]. The aquatic environment that is polluted by this harsh category of detergent waste in high concentrations will threaten and endanger the life of aquatic biota and the humans who consume these biota.

This makes the residual detergent waste that is issued every day by households to become hazardous waste and threatens the stability of the environment. Because the impact of cleaners circulating in the market is quite harmful to health and the surrounding environment, it is necessary to develop cleaners that are environmentally friendly (green clean environment), which function to clean properly, hygienic, safe for the health of its users and environmentally friendly. In addition, when viewed from the curriculum stated above, there are no subjects related to entrepreneurship. Therefore it is necessary to have provision for students, especially class XII, namely debriefing related to entrepreneurship so that students can do entrepreneurship after graduating from the Riyadhushsholihin Islamic Boarding School. In addition, teachers can also add to their knowledge of entrepreneurship and can practice it in boarding schools, where this can improve the welfare of teachers. On the basis of the problems described above, we intend to carry out community service activities in the form of "Counseling and Making Environmentally Friendly Cleaners Using Lily Flower Extract in the Context of Improving the Welfare of Teachers and Preparing Independent Entrepreneurs for SMA-IT Students at Riyadhushsholihin Islamic Boarding Schools- Cimanuk-Pandeglang."

Partner's Problem

Based on the situation analysis described above, the partners' problems are stated as follows:

Table 1. Partner Problems

No.	Problem	Description
1.	The need for soap/cleanser for laundry.	The Riyadhhussholihiiin Islamic Boarding School has a laundry unit that washes the clothes of all students every day, totaling around 1200 students. This of course requires quite a lot of soap and clothes deodorizer, which so far they have bought from outside the hut.
2.	The need for soap and other cleaners for students.	The Riyadhhussholihiiin Islamic Boarding School which has around 1200 students, of course, all of them need soap, shampoo and other cleaners, which so far they have bought each outside the hut.
3.	There is no entrepreneurship training for class XII students.	The curriculum at SMA-IT Riyadhhussholihiiin does not yet have Entrepreneurship Subjects. Where entrepreneurship is quite important for students to prepare themselves when they have graduated so they can do entrepreneurship.
4.	Increased welfare for teachers.	The importance of making additional income alternatives for teachers.

Solutions And Outcome Targets

Based on the problems described above, the solution that will be taken is to provide assistance in the form of making environmentally friendly cleaning products that can be used by laundry units and students and is expected to be a source of additional income for teachers and students. This solution can also be used as a provision for independent entrepreneurs for class XII students/students when they have graduated from school. The output target of this activity is in the form of increased understanding and skills, online mass media, scientific journals and proceedings, Intellectual Property Rights And Activity Vi

II. IMPLEMENTATION METHODS

Activity Targets

The target audience for this activity were teachers and students of class XII SMA-IT Riyadhhussholihiiin-Rocek-Cimanuk-Pandegelang which is located approximately 118 KM from the Mercu Buana University campus. The implementation method used in this activity is in the form of product manufacturing, debriefing training and mentoring. Locations of activities ranging from manufacturing, training and mentoring at the Riyadhhussholihiiin Islamic Boarding School, Rocek, Cimanuk, Pandegelang, Banten. The PPM team went directly to the location both during the opening, presentation of the material, training, the manufacturing process and assistance. Foreign Cooperation Partners, in this case Professor Dr. Yusliza Mohd Yusoff from Universiti Malaysia Terengganu (UMT), will be offered whether they are willing to visit directly on site or zoom online considering the situation in Indonesia has not fully recovered from the pandemic.

In order for this program to be carried out smoothly, before all activities begin, socialization is carried out to related parties, including Islamic boarding school supervisors, principals & teams, and other Islamic boarding school administrators who have an interest in the sustainability of this program..Preparation of ingredients for the manufacture of cleaning materials in the form of environmentally friendly materials in the form of extracts from fruits and flowers that are organic, while surfactants and other additives are food grade.To achieve the target so that this training can run smoothly, it is necessary to conduct counseling first about the introduction of cleaning materials that are meant to be environmentally friendly (gambar a) next, before the event continues, a cooperation file is signed (figure b) Before the training, the instructor will explain the design and appropriate technology tools that will be used for the manufacture of various kinds of cleaners (picture c and figure d)



Fig 1. Activities in Riyadhushsholihin-Rocek-Cimanuk-Pandegelang; (a) Counseling on environmentally friendly cleaning materials, (b) Signing of cooperation files, (c) design of appropriate technology tools, (d) Stirrer for making cleaning products

III. RESULT AND DISCUSSION

This community service activity was opened and began on March 24, 2023. The opening ceremony was attended by 301 people consisting of the Pandeglang District Police Chief, the Head of the Banten Provincial Education and Culture Office, Kab. Pandeglang, Kapolsek, Danramil, Head of District and Cimanuk District Government Officials as well as Village Head and Rocek village officials, Instructors and Leaders and Islamic Boarding School Foundation as well as teachers and students of Riyadhushsholihin Islamic Boarding School. The UMB PKM team consisting of lecturers and students were present in full at the opening. On March 24, 2023, the training for making environmentally friendly cleaners was immediately started and they were immediately put into practice and continued to be in production until now. The PPM team continues to monitor and be in the field until June or July 2023. However, after this period assistance will continue to be carried out to maintain the continuity of these activities. Professor Dr. Yusliza Mohd Yusoff, represented by Dr. Zuha Rosuila Binti Abu Hasan as a partner, also delivered material at the opening through the Vicon Zoom Meeting. The opening ceremony starts at 07.30 and ends at 15.30.

After the opening ceremony, training on making cleaners was continued, which was guided by the instructor, and continued with the practice of making cleaners in the machine room at the Arafah building. The training and practice for making cleaners was attended by the Pondok Leaders, the Head of the Foundation, high school students and the teachers of the Riyadhushsholihin Islamic Boarding School as well as personnel who were given responsibility for operating the machine. The instructor let go that day after making sure the personnel who were given the responsibility of operating the machine were really able to operate it. The participants can directly operate the machine because the machine used is a machine with the latest design which is very practical. Furthermore, the Islamic Boarding School immediately bought its own materials to continue cleaning production so that it could be directly used for laundry and for the students. Priority cleaners are floor cleaners and soap for laundry. Next, other cleaners will be made, such as soap, shampoo, etc

IV. CONCLUSION

The participants were very enthusiastic about this activity and they really hope that this activity will continue. Participants are expected to benefit from the Community Service Program. These benefits are in the form of knowledge and understanding of making environmentally friendly cleaners. Where this knowledge is very useful for the provision of students when after graduation to be able to do entrepreneurship. In addition, it is also useful for teachers to improve welfare. Training and counseling on making environmentally friendly cleaners is very useful for high school students and teachers/ustadz,

especially in the Riyadhushsholihin – Rocek – Cimanuk-Pandeglang Islamic Boarding School environment in terms of preparing themselves for entrepreneurship and increasing welfare. The environmentally friendly cleaners that were initially produced were prioritized for floor cleaners and laundry cleaners, bearing in mind that there are very many buildings in the Riyadhushsholihin Islamic Boarding School and the number of students is around 1200 people. The next stage will be the production of soap, shampoo, hand sanitizer, etc. The UMB PPM team will continue to monitor the production even though the PPM period is over. The machine used is a practical and up-to-date design machine that is easy to use, so that target personnel can apply it immediately..

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