

TRAINING ON MAKING ECO- PRINT MOTIFS FOR COMMUNITY EMPOWERMENT IN BLITAR REGENCY

by Listia Natadjaja

Submission date: 05-May-2021 01:56PM (UTC+0700)

Submission ID: 1578495760

File name: 14593-Article_Text-48502-1-10-20210427.pdf (424.35K)

Word count: 5506

Character count: 30491

9
**TRAINING ON MAKING ECO-PRINT MOTIFS FOR
 COMMUNITY EMPOWERMENT IN BLITAR REGENCY**

**PELATIHAN PEMBUATAN MOTIF ECO-PRINT UNTUK
 PEMBERDAYAAN MASYARAKAT DI KABUPATEN BLITAR**

Listia Natadjaja¹, Heru Dwi Waluyanto², Ani Wijayanti³

Visual Communication Design Department,
 Petra Christian University, Jl. Siwalankerto 142-144, Surabaya^{1,2,3}

listia@petra.ac.id¹

ABSTRACT

We see an opportunity to cultivate natural potentials in the Blitar Regency to be used as a means of improving the community's welfare. One of the possible uses of the natural materials is the manufacture of eco-print products. The purpose of this research is to implement eco-print technique in producing eco-print products that will benefit in improving the welfare of the community. This community empowerment project involves 68 students that are divided into seven groups and are prepared in a Service-Learning method. There are some stages that the students go through in implementing this program outside the classroom, namely: learning the eco-print technique, practicing, providing training for the community, and innovating stages. Through this method of learning, students learn how to educate themselves and the community. The results of these trainings are eco-print motifs produced from the collaboration between students and the district community, eco-print motifs produced by the community, and the students' innovative products.

Keywords: community empowerment, eco-print, Service-Learning, Blitar

ABSTRAK

Peneliti melihat peluang untuk memanfaatkan potensi alam di Kabupaten Blitar untuk dimanfaatkan sebagai sarana meningkatkan kesejahteraan masyarakat. Salah satu pemanfaatan bahan alam yang potensial adalah pembuatan produk ecoprint. Tujuan dari penelitian ini adalah mengimplementasikan produk ecoprint untuk meningkatkan kesejahteraan masyarakat. Pemberdayaan masyarakat ini juga melibatkan 68 mahasiswa yang dibagi dalam tujuh kelompok menggunakan metode pembelajaran yang dinamakan Service-Learning. Program ini dilaksanakan dalam beberapa tahap yang harus dilakukan mahasiswa di luar kelas, yaitu tahap pelatihan, tahap uji coba, tahap memberikan pelatihan ke masyarakat, dan tahap eksperimen. Melalui cara ini mahasiswa belajar untuk dirinya dan juga belajar untuk mengedukasi masyarakat. Hasil pelatihan ini adalah motif ecoprint yang dibuat oleh mahasiswa dan masyarakat, motif ecoprint masyarakat secara mandiri, dan hasil eksperimen mahasiswa.

Kata Kunci: pemberdayaan masyarakat, eco-print, Service-Learning, Blitar

INTRODUCTION

Indonesia is well known as a handicraft-exporting country, whose commodities produced rely on hand skills and hand-making processes. Art and craft products in each region are certainly different. Each region has its own unique local handicrafts, which are more exceptional than those of other regions, because of different existing natural resources available in each region.

Blitar Regency has a wealth of potential in natural and human resources. It has an area of 1,588.79 km² with the land use for rice fields, yards, plantations, forests, fishponds and others (Kab. Blitar, 2012). Sadly, these potentials cannot be exploited by the local population since they mostly work as migrant workers, sugarcane farmers or labors, and housewives. Based on our observation through previous social community program, we see that there are four villages in Blitar Regency that have potential in natural and human resources, namely, Selorejo, Kademangan, Genuk, and Tunggorono. With geographical locations that are distant from the urban areas, it makes it difficult for the communities there to access many things, such as schools, jobs, and other commodities to meet their end needs.

Researchers see opportunities to improve these communities' welfare by cultivating the potential of nature and empowering human resources in Blitar Regency. One of the possible uses of the natural materials there is by creating eco-print products. Eco-print products are environmentally friendly, especially because they are made from the natural materials available from the surroundings. According to Farlex, (2012) natural dye (natural coloring technique) is one of the many potential ways to develop eco-fashion. Natural dye is a coloring technique using basic ingredients of natural dyes. The absorbed color will blend with the fibers in the fabrics, so that it can withstand friction and washing. Over time, natural dye techniques are increasingly developed with a variety of new findings, one of which is the eco-print technique. The eco-print coloring technique pioneered by India Flint is defined as

the process of transferring colors and shapes to cloth through direct contact (Flint, 2008). Flint applies this technique by attaching plants that have color pigments to the fabric which are then boiled in a large cauldron. The plants used are the ones that have a high sensitivity to heat because it is an important factor in extracting color pigments.

This research is in line with the concept of sustainable products using eco-print techniques to produce environmentally friendly products. Sustainable design is a design emphasizing on customer satisfaction in order to make a product survive in the market in the long term, prioritizing ecological as well as social factors when designing and manufacturing it. Sustainable design is environmentally friendly, and it continues to improve in accordance with social, economic, and environmental developments in order to enhance the quality of life (Ortiz, et al, 2009).

The purpose of this research is to implement eco-print technique in making products with the objective of improving the welfare of the community. Here, the researchers act as facilitators between students and the community and become evaluators of the process, and the results being worked on. This paper will review the training process and the interactions carried out by students and the community. With this knowledge transfer, we expect the community be able to be more independent, explore and to be utilize the potentials in their area and ultimately be more prosperous. This research can also be a reference and contribution to related sectors, especially the regional government, towards sustainability for the improvement of the community's economy.

METHOD

This research was conducted in Blitar Regency which covers four villages namely, Selorejo, Kademangan, Genuk, and Tunggorono. This research is a descriptive study that examines the process of eco-print motif training carried out by students. The current study describes and evaluates the interactions between the students and the communities.

This community empowerment project involves 68 Visual Communication Design 4 (VCD 4) students that are divided into seven groups. Each group is accompanied by one tutor. One group consists of nine to ten students that serve around 20-40 people in each village. Because there are a lot of students, we use class and studio learning. In class-learning, a lecturer teaches in one big classroom. This learning model is more towards one-way learning. Meanwhile, in studio-learning, a group of students consisting of eight to ten students learn together as a team assisted by one tutor. Studio learning is more interactive because there is more discussion. The advantages of studio learning are students can get information or feedback immediately about their design from their tutor and vice versa; in addition, students get more complete attention from their tutor (Natadjaja & Yuwono, 2019).

The Child Development Center (PPA) in collaboration with a child development services agency, Compassion, become the agency partners for the program. They usually handle activities to improve children's development from disadvantaged families at some churches including GKIN Selorejo, GBIS Kademangan, GBIS Genuk, GKJW Tunggoro and other areas ¹¹ and the Blitar Regency.

In achieving the objectives of this study, we use the Service-Learning method, where students interact directly with the community. The Service-Learning is one of the learning methods that encourages students to not only learn theory in the class, but also practice their knowledge in the society. Service-Learning is a course-based experiential learning strategy that engages students in meaningful and relevant service with a community partner while employing ongoing reflection to draw connections between the service and course content. When done well, Service-Learning has the potential to enhance academic learning, promote civic responsiveness, and strengthen communities (The ⁶University of Tennessee Knoxville, 2019). Service-Learning aims to enhance academic learning by challenging students to apply classroom theory to real-life situations in order to solve community problems.

⁶

Because Service-Learning addresses actual community needs, it has the added potential to engage students in ways that other experiential methods may not (University of Southern Indiana, 2019). Moreover, the exchanges that happen in Service-Learning also have positive multicultural relations that impact students' attitudes (Natadjaja, 2019). As reflected in the Venn, three criteria serve as the litmus test for whether a course may be considered Service-Learning: (1) relevant and meaningful service with the community; there must be service provided in the community that is both relevant and meaningful to all stakeholder parties, (2) enhanced academic learning; the addition of relevant and meaningful service with the community must not only serve the community, but also enhance student academic learning in the course, (3) purposeful civic learning; the addition of relevant and meaningful service with the community must not only serve the community and enhance student academic learning in the course, but also directly and intentionally prepare students for active civic participation in a diverse democratic society (Howard, 2001).

The stages carried out in the Service-Learning process involve students to (1) prepare theory in class (2) learn eco-print techniques with the eco-print expert (3) practice in the laboratory in order to understand the making process of eco-print motif (4) provide training to the community (5) do some experiments in finding innovative motifs (6) make reflections. From this last process, we can see additional benefits of the Service-Learning program for educators, which are the possibility to examine the results and improve the quality of learning by examining the reflection reports. Here, students' reflections become media for this research entering point to find out not only the implementation process, but also the impact and the exchanges that happen along the process (Arifin, et al., 2009; Natadjaja, 2013).

RESULTS AND DISCUSSION

There are some stages that the students have to go through in implementing this program,

considering that they are also new to eco-print motif making, namely: learning the eco-print technique, practicing, providing training for the community, and innovating stages. These four stages require students to do some experiments in a group outside class. There are two other stages where students work individually, which are learning the theory in class and making a reflection.

The trainings for learning the technique of eco-print motif for the community are divided into two phases: basic and advanced trainings. The basic training phase is to teach the community how to make eco-print motif with one kind of leaves that grow in the area. Blitar has produced a lot of teak leaves, so in this basic training, they mostly use teak leaves to produce motifs. For advanced training, students must combine two or more leaves to produce a motif.

All of the stages in the experiment activities are always mentored by tutors. Tutoring is an important part of the university's teaching-learning process. Tutoring improves student success rates and enables students to achieve their learning objectives as well as professional goals. It is regarded as a basic strategy for any model of student learning, student guidance, individualization, and student monitoring. University lecturers regard it as professional competence and use it as a teaching strategy especially in this case to organize a huge number of students in one class. Tutors help lecturers improve the quality and competency of learning and play a major role in university teaching-learning process. Furthermore, it is a strategy for improving the process (Morillas & Garrido, 2014). In the Service-Learning program, the role of the lecturer and tutor are to become educators as well as facilitators between students and their clients. (Nataadjaja & Yuwono, 2019).

Learning The Eco-Print Technique

In the VCD learning process, most of the students' time is spent on learning and struggling with digital technology. We believe that eco-print motif training makes students inevitably do a lot more manual work. VCD students, in general, are not familiar with the technique of making eco-print motif. So, before they are assigned to provide training to the community, the students must learn it first.

We ask a VCD alumnus who has previously studied this eco-print technique and implemented it in a community to give training to several student representatives and tutors. Later, each student representative, who is also the group leader, must transfer his or her knowledge to the group members. We choose an alumnus to give the training because she has previously been involved in the eco-print project in Blitar in the previous year, and we also like to always stay in touch with our alumni. We hope to maintain a strong relationship between alumni, students, and lecturers.

Practicing the Eco-Print Motif

After the training, students try to make eco-print motif in the laboratory with materials that they have prepared, including fabrics that have been washed with detergent and soaked in mordant (a mixture of alum and soda ash), leaves, PVC pipes, plastic sheets, newspapers, and equipment that we provide such as tables, stoves, and pans.

There are at least three experiments that the students must do. The first experiment, students try to experiment with a variety of leaves, so that it can be examined whether the leaves produce pigments or not. The leaves that produce pigments will leave color attached to the cloth. In the second experiment, students have chosen



Figure 1 Training with Visual Communication Design Alumnus (Source: Personal Documentation)



Figure 2 Students Experiment before Giving Training to the Community (Source: Personal Documentation)

and noted which leaves they are going to use and arrange them in the fabrics with certain patterns. The third experiment, students choose certain leaves which are believed to produce color pigments to be catalogued as training material.

The stages of making eco-print motif include:

- Purchasing material (fabric, soda, alum, leaves, plastic sheets, PVC pipes)
- Soaking the fabric in mordant for 24 hours
- Soaking the leaves in a vinegar or tunjung solution and hot water for 15-20 minutes.
- Placing the leaves onto the fabric
- Beating the leaves so that the pigment comes out (optional)
- Covering the fabric already placed with leaves with plastic sheets
- Rolling up the fabric onto PVC pipes, tying it with a rope
- Steaming the fabric in a steamer over medium heat for 2 hours
- Unrolling the fabric
- Removing the straps, plastic sheets, and leaves attached to the fabric
- Aerating the fabric
- Soaking the fabric with alum so that the color pigment of the leaves is permanently set to the fabric.

Providing Training for the Community

After going through several stages of training and experiments accompanied by tutors, students are ready to implement the eco-print motif making towards the community and to share their knowledge. In this training, students and communities jointly make eco-print motifs. Students drive out from the city of Surabaya to Blitar for about four hours. Tutors accompany the training process. In practice, the tutor

functions to assist, supervise, and control the training process so that it runs smoothly. Tutors also ensure that students maintain respectful communication with the community and prevent any miscommunication.

The community training conducted includes basic training and advanced training. In basic training, students teach eco-print motif making to the community using one type of leaf from several types that grow in the area.

The selected leaves are teak leaves, lanang leaves, or other leaves in the area. While in advanced training, students train the community by using several leaf variants that are combined and arranged with certain motifs. The stages of training include (1) introduction, (2) material distribution and explanation, (3) result evaluation, (4) material contribution.

After arriving at the location, the first thing they have to do is to get acquainted with the community administrators. Afterward, they look for leaves around the area guided by members of the community. Together they search the types of leaves that are going to be used for eco-print motif making. Eco-print materials are collected from each region, so the community can utilize natural resources in their respective regions. In general, teak trees thrive in Blitar Regency, and their leaves produce good pigments for use in eco-print motif.

In this training we divide the community participants into groups, one group consists of five to six persons and accompanied by one student. Before we begin the training, the students must introduce themselves to the community. There is one student leader in one small group. The leader must guide the process of making eco-print motif for all the small groups. Students in the small groups must know

their team members. The introduction process becomes an ice breaker between students and the community.

In the second stage, students distribute the fabrics that have been soaked in mordant a day earlier and the leaves that have been soaked in a *tunjung* solution. Other materials are plastic sheets, newspapers, PVC pipes and ropes. While distributing the materials, students also explain the use of the materials and about eco-print motif. The student leader explains the process for all groups, and then the students in the small groups must continue the explanation step by step. Together they place leaves on the fabrics, and then with plastic sheet coating, the fabrics are rolled using PVC pipes. Then the fabrics are tied with ropes and put into pans to be steamed for about two hours.

While waiting for the steaming process, students use the spare time to take a rest, walk in the teak jungle around the area, and talk to the community. After two hours, we see the result. They unroll the fabrics and remove the rope straps, plastic, and leaves attached to the fabrics. We see the surprise expressions among students and the community. There are groups who are happy because they are successful in fixing the motifs onto the fabric, but some are disappointed because the resulting colors are different than expected or even there are no colors shown. Not all eco-print motif making is successful. There are pigments from the leaves that result in bright colors, but there are also that are not as good as expected. According to students, there are two factors that make the process fail, namely: immersion of leaves that are not uniform in time, some are immersed in a short time and used immediately, so the pigment does not stick well

to the fabric. Another factor is the different types of leaves, where pigments of old leaves do not stick well compared to young leaves.

In order to support the community in memorizing the process of eco-print motif making and developing their skill to make motifs, we contribute some materials to the community. With complete materials, we hope that the community will be motivated to do some exercises and experiments by themselves. Before we go back to Surabaya and say goodbye, we take a picture together.

Innovating Stage

After students provide training to the community, it is expected that they can further explore eco-print motif by producing more innovative motifs. Therefore, they carry out several trials in the laboratory on campus accompanied by their tutors. The trials they conduct include eco-print motif with various leaves, with one type of leaf in different layouts, and with modified leaves. One group even uses digital technology to capture color pigments and make stamps applied to certain software. The leaf fiber still visible when it applied to the fabric, the color even looks brighter.

Their experimental results in the form of motif eco-print must be reported at the end of the semester along with concepts in the form of book reports, logbooks, and reflections either in hardcopy and softcopy. From 14 small groups, we find that there are two groups whose eco-print motifs are considered successful because they find innovative motifs and are eligible to be registered formally by the department for Intellectual Property Rights.



Figure 3 Eco-print Motif Making Training for the Community (Source: Personal Documentation)

Evaluation Stage

Through this method of learning, students learn how to educate themselves and the community at the same time. The results of these trainings are eco-print motifs produced from the collaboration between students and the Regency's community. Eco-print motifs produced by the community, and the students are innovative products.

The Collaboration between Students and the Regency's Community

At the end of the semester, we evaluate the Service-Learning activity by reviewing the students' reflections. From these reflection reports, we know what happens in the training process and what is the students' responses towards this program. In the interaction process, most of the students feel worried at the beginning because they have never had any connection with people in the villages that might have different background. But this Service-Learning gives more value to students that it eventually affects their attitudes. They are grateful that they are involved in the learning process and have gained experience in dealing with the community. Here are some of the students' reflection reports.

"Before leaving for Blitar, I honestly have a lot of negative thoughts, what if we fail, like: the color of the leaf cannot be printed, or we have difficulty to teach to the women there and various other things. But we run the activities well, the women there are very friendly and enthusiastic. And the best part is that they successfully print the leaves, especially those using teak leaves that grow around Blitar Regency, and certainly around the area of Kademangan" (Lavinia, 2019).

"After my group and I do the manufacturing process for several times, I enjoy and After my group and I do the manufacturing process for several times, I enjoy and understand how to make it and it is quite fun, too. I also feel that this is the real Visual Communication Design (VCD) which makes new things and involve the community" (Pandu, 2019).

"In conclusion, I am grateful to get this VCD 4 course because first I do not know that this course really helps the Blitar communities to make the eco-print motif to improve their welfare" (Harisjaya, 2019).

After about a month, we come to the communities to do some interviews and to evaluate the impact of the training. In general, the community is happy with this training process. However, few of them say that they are tired and unmotivated.

"So glad that we have this training. My eyes are opened because of this training, along the way when I see leaves, I become curious, I want to take them and try to make eco-print motif. After the training, I want to try and try again" (Soeleman, 2019).

Collaboration results are documented together and given to the community. It is hoped that the results of the training will motivate the community to continue making this eco-print motif independently. In a certain period of time researchers continue to provide assistance, evaluation, and improvement to develop the quality of eco-print motif produced by the community.



Figure 4 Eco-print Motifs in Collaboration between Students and the Regency's Community
(Source: Personal Documentation)

Eco-Print Motifs Produced by the Community

After students conduct community training, researchers review it through field research, interviews, and seeing the results carried out by the community.

Previously, during the first training, researchers give several materials to the community in the form of a stove, an LPG tank, and pans. Students also contribute fabrics, mordant materials, and alum to be used by the community. The aims of this contribution to the community is to motivate them to be able to practice and repeat the process of making eco-print motif so that they can have a better understanding.

When the researchers conduct a survey, we find that among the four communities that are fostered, only two communities conduct further experiments to continue the process of making eco-print motif with their own initiatives. They carry out the training because of curiosity. The other reason is that there are friends who would like to join and try again using the materials provided, and there is a desire to make eco-print motif uniforms.

“After getting eco-print motif training, mothers are motivated to try to make more. While waiting for their children studying at school, they promise each other to work together to make eco-print motif. They are happy because there is an activity while waiting for their children to come home from school” (Mumpuni & Cahyani, 2019).

Meanwhile, the communities that are not motivated to try to make eco-print motif after the training is because they have no time, are busy with household affairs and hassled by many events, cannot match schedules with others to try together, no motivation to try individually, and too reluctant after the training nearing the Eid holidays, hence women and housewives are usually busy.

“In general, the women are eager to try to make eco-print motif, but their time is hampered by routine duties as housewives, delivering and picking up their children, and some also work in the stockyards” (Cahyani, 2019)

According to them, the making of this eco-print motif is beneficial for them because it can be economically profitable. When browsing through the Internet, the price of eco-print product is expensive. Besides, eco-print motif is beautiful and easily sold. They are optimistic that it can become a business in the future. Another impact is on the environment because this program also aims to conserve nature and take care of plants, especially since there is already new awareness in some groups to not only take from existing plants but also plant trees.

“I am motivated to try to make this eco-print motif myself because the motifs are beautiful and sell well. In addition, by utilizing natural materials, I also help preserve nature, especially if the leaves are taken from the plants that I plant” (Lobo, 2019).



Figure 5 Eco-print Motifs by the Community after Training (Source: Personal Documentation)

Most communities expect follow-up from researchers for this eco-print motif training. The training provided by students is still basic and they feel they do not understand it well enough and still need further training.

The Students' Innovative Products

Students not only train the communities but also try to make innovative eco-print motifs. It is not easy because it often does not work. Natural materials, chemicals, and mixtures are often the unfitting factors that make the finished motif inadequate.

Among the 14 small groups of students, it turns out that only two groups can be classified as successful. The failures in making this eco-print motif innovation can be caused by:

- Fabrics are not washed before dressing.
- Mixes that do not match the dosage.
- The time of soaking the fabrics and/or leaves is too short or too long.
- Leaves that do not leave off pigments.
- Use of fabric types that do not absorb pigments at all.
- Leaves are not young or dry.

One successful group does not fully use the manual method. They apply the eco-print process manually, scanned the finished eco-print motif, and apply it to software that produces leaf-shaped stamps. Users can apply this stamp to the fabric that is then printed on textiles.

The researchers also conduct eco-print motif experiments to try to produce innovative textures. It is not easy to get the desired motif, because working with natural materials is sometimes full of surprises. However, this obstacle can be overcome by using appropriate materials such as the right type of fabrics and leaves, correct composition and dosage of materials such as mortar, soda ash, and alum, as well as the right timing for immersion and steaming.

It takes several experiments to produce the desired motif. This experiment is repeated by the researchers before further training is carried out. Hopefully, in the future, this training will not only improve people's welfare but also motivate the communities to open a business

based on social creativepreneurship. The ⁵social entrepreneur is a mission-driven individual who uses a set of entrepreneurial behaviors to deliver a social value to the less privileged, all through an entrepreneurially oriented entity that is financially independent, self-sufficient, or sustainable. Social entrepreneurs: (1) are mission-driven, (2) act entrepreneurially, (3) act within entrepreneurially oriented organizations, and (4) act within financially independent organizations (Saifan, 2012). Meanwhile, creativepreneur comes from the word creative and entrepreneur. It is interpreted as entrepreneurs who do business in the creative domain. Creativepreneurship is a business activity or business that uses creative ideas that have added value to art and design as the backbone of its main activities (Budiman, 2008).

CONCLUSION

The effort to empower the community requires active role of the actors involved in it. In this training, researchers involve students, tutors, and their own research team who are also lecturers and tutors. Previous researchers have intensive communication, and the communities that are involved in this training have received different trainings before.

It is not easy to involve students in this training because the making of eco-print motif is relatively new for students, and they therefore must also take training and conduct intensive experiments. For researchers, the success of students in producing eco-print motif is important, but what is more important is the process, especially the interactions between students and the community. Students also diligently and resiliently do the experiments even though not all can get the expected results. In the learning process, they interact in the team more intensively than when working digitally. Besides academic learning, students also learn about teamwork, time management, and communication in the multicultural interaction with the community. Their readiness to go into the community is included in one of the assessments.

For the community, this training is also quite new. Therefore, many people are still dependent on their friends in this training, so they cannot continue the task that has been given. In the future, researchers need to motivate the community to be willing to try making this eco-print motif independently.

For the researchers, the coordination in the classroom and in the field has challenges, especially how to match community schedules, students, tutors, and researchers. The limited time and costs do not make an obstacle but become a challenge for researchers to develop community empowerment programs.

We expect that the training that begins with this small group can motivate other communities in other regions to make eco-print motif production. We hope that this eco-print motif making can be sustainable, so the community can have a chance to become socio-creativepreneurs, where those who succeed can share their knowledge with other communities and because of that they can together become creative entrepreneurs in producing this eco-print motif.

ACKNOWLEDGEMENT

8

Thank you to Kemristekdikti RI (The Ministry of Research, Technology, and Higher Education Republic of Indonesia) who has funded research and training the eco-print motif making in the applied research grant scheme. Thank you to our alumni Andriany Illene for her contribution in giving training to students and tutors. Thank you to the Visual Communication Design 4 students who have been actively involved, and to the tutors who have been very helpful in assisting the students. Thank you also to the community organizers involved, who help motivate members of the community to progress and develop. Hopefully, they could benefit extensively through the making of this eco-print motif.

REFERENCES

Books

Arifin, L., Kuncara, E., Raharjo, A., & Nataadjaja, L. (2009). Research on The Investigation

of Service-Learning Method at Petra Christian University. Surabaya: Research and Community Outreach Center

Budiman, M. A. (2008). *Jualan Ide Segar*. Yogyakarta: Galang press Publisher.

Flint, I. (2008). *Eco Color*. Australia: Murdoch Book.

Howard, J. (2001). *Service-Learning Course Design Workbook*. Michigan. Michigan Univ., Ann Arbor. Edward Ginsberg Center for Community Service and Learning.

Scientific Journals

Abu-Saifan, S. (2012). Social Entrepreneurship: Definition and Boundaries: Technology Innovation Management Review. 2-2, 22-27.

Morillas, N.R. & Garrido, M.F. (2014). The role of tutoring in higher education: improving the student's academic success and professional goals. *Revista Internacional de Organizaciones*, 12, 89-100.

Nataadjaja, L. (2013). The implementation of visual communication design media after conducting service-learning program: The International Journal of Visual Design, 6-2, 33-45.

Nataadjaja, L. (2019). Reflecting on multicultural relations in the Community Outreach Pro-gramme: Citizenship Teaching & Learning, 14-2, 197-212.

Nataadjaja, L., & Yuwono, E.C. (2019). Enhancing the Learning of Packaging Design through Service-Learning Programs: Michigan Journal of Community Service Learning, 25-2, 133-151.

Ortiz, O., Castells, F., Sonnemann, G. (2009). Sustainability in the construction industry: A review of recent developments based on LCA Constr. Build. Mater, 23-1, 28-39.

Websites

Kab. Blitar, D. (2012, June 6). Website Resmi Pemerintah Kabupaten Blitar. Retrieved from [https:// www.blitarkab.go.id/2012/06/06/gambaran-umum-2/](https://www.blitarkab.go.id/2012/06/06/gambaran-umum-2/)

The University of Tennessee Knoxville. (2019). Service-Learning: Teaching and Learning

Innovation. Retrieved from <https://servicelearning.utk.edu/1705-2/>
University of Southern Indiana. (2019). Service-Leaning: Outreach and Engagement. Retrieved from <https://www.usi.edu/outreach/service-learning-program/students/what-is-service-learning/>

Interview

Cahyani, Y. (2019, July 26). Obstacles after eco-print motif training

Lobo, M. (2019, July 26). The benefit of eco-print motif training.

Mumpuni, B., & Cahyani, Y. (2019, July 26). Community response after eco-print motif training.

Soeleman, D. (2019, July 26). Community Response after Eco-print motif training.

TRAINING ON MAKING ECO-PRINT MOTIFS FOR COMMUNITY EMPOWERMENT IN BLITAR REGENCY

ORIGINALITY REPORT

8%

SIMILARITY INDEX

8%

INTERNET SOURCES

3%

PUBLICATIONS

4%

STUDENT PAPERS

PRIMARY SOURCES

1	www.csulb.edu Internet Source	2%
2	www.revista-rio.org Internet Source	1%
3	servicelearning.utk.edu Internet Source	1%
4	www.neliti.com Internet Source	1%
5	Submitted to University of Sydney Student Paper	1%
6	www.usi.edu Internet Source	1%
7	Submitted to University of Brighton Student Paper	<1%
8	www.intechopen.com Internet Source	<1%
9	journals.itb.ac.id Internet Source	<1%

10

www.scribd.com

Internet Source

<1 %

11

ascelibrary.org

Internet Source

<1 %

12

www.usf.edu

Internet Source

<1 %

Exclude quotes On

Exclude bibliography On

Exclude matches < 5 words