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## **Perception Of The Community And The Impact Of Social Responsibility Of The Polytechnic University Of The Philippines**

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### **ABSTRACT**

It is mandated among Higher Education Institutions (HEIs) to have a community extension activity which are generally termed as “social responsibility” to help improve the lives of people. This is an undertaking that aims to empower the residents of a particular group socially and economically. Accordingly, this study assessed the impact of community extension project and activities of PUP Lopez dubbed as “Kumikitang Mamamayan Para Sa Kaunlaran ng Bayan.” Both quantitative and qualitative method were utilized since the survey instrument was used to determine the short-term impact of the project particularly on knowledge acquisition, skills, and attitude among one hundred eighty-two (182) participants. Likewise, unstructured interview was conducted from six conveniently chosen household beneficiaries. Findings revealed that project implemented creates positive impact on the lives of people in terms of acquired knowledge, developed skills and attitude building. Also, results showed that there was a remarkable impact on the percentage change of income after the intervention. Additionally, in the interview conducted, it was revealed that same impact was obtained as to knowledge, skills, and attitude. However, number of activities attended by the beneficiaries on the duration of project implementation creates no significant relationship to the extension project. Certainly, another community must be served since beneficiaries had changed and empowered.

**Keywords:** Social responsibility, impact study, community, extension service, mixed method.

### **1. INTRODUCTION**

Social responsibility aimed at strengthening community-development behavior of resident that requires participants engagement to improve their individual skill (Dorius,2011). Measuring the success of extension activities were dependent on the level of community engagement, appreciation, and ownership by the stakeholders. The organization must be clear about their own and stakeholders’ rationale for participation, facilitate involvement, and engagement that will contribute to success for a sustainable community (Muthuri, et al.,2012). Measuring Impacts on Community objectively brings oneness, making bright decisions, changed attitudes, creates one direction, build self-confidence, and achieve economic self-sufficiency (Dorius, 2011). Social action intends to solve problem to create empowered community (Muthuri, 2012). (Stewart,2012) mentioned that project funders should be given focus for not to create poor implementation.

Social responsibility coincides with the community extension undertaking as these are activities that requires voluntary action of any public or private group like universities, students, organizations, and the like in which it aims to uplift the status of people’s lives by providing training and workshop for the development of knowledge, skills, and attitude. Higher Education Institutions as an instrument in community development find its own identity in responding to the needs of the community. Like PUP, it carries the program titled “Salin Kaalaman Tungo Sa Kaunlaran-SKTK” aligned to its mandate of providing sustainable social development programs and projects.

(Markus et.al., 1993) stated that in the Philippines, universities were mandated through the Commission on Higher Education (CHED) to increase their educational and civic offerings to the community. Recently, the Commission has initiated efforts to redirect extension programs under the CHED Memorandum Order 52, series of 2016. The policy provides a few tips on HEI community extension programs for that are evident-based to successfully addressed the economically, environmentally, and socially challenged community.

According to (Mounders,1972)University extensions are any educational improvements achieved outside the university. These innovations especially focus attention on literary, agricultural, and social topics. Responding to the mission and goals of PUP, project was created in one of the 96 Barangays in the municipality dubbed as “Kumikitang Mamamayan Para Sa Kaunlaran ng Bayan” that runs from 2018 to December 2021. Understanding its impact to the beneficiaries, the researcher decided to go back to all project recipients and find out the short-term impact on matters pertaining to knowledge acquisition, skills, and attitude.

(Gonzales and Maghamil ,2009) highlighted that the extension service in the Philippines began during the Spanish era and was formalized in 1952 as a national institution. (Israel et.al.,2011) described community extension as "a comprehensive collection of actions aimed at achieving a sequence of desired outcomes among targeted customers." (Ludwig, 2009) examined the characteristics of the extension program being executed as well as the as well as its beneficiaries. The way a program is designed or constructed can influence how the student constructs his experiences, as well as on how the program differs from other programs with a similar purpose of community service. (Tapscott, 2010) encourages diverse segments of the non-academic community to develop a keener awareness of the needs of others and a strong commitment to improve community's quality of life.

Bloom's Taxonomy of Learning Domains (KSA Model) by (Rudnicki, 2018) researched many factors and their impact on learning. These factors enclosed psychological features or intellectual behavior because of the classification of emotional and physical skills at varied levels. Bloom and his team found and classified three domains as KSA (Knowledge, Skills, and Attitude). This taxonomy of learning behaviors is often thought of as "the goals of the coaching method." That is, the learner ought to have non heritable new skills, knowledge, and attitudes. This compilation divides the 3 domains into subdivisions, ranging from the only behavior to the foremost advanced. The divisions made public don't seem to be absolute and there are unit different systems or hierarchies that have been devised within the academic and coaching world. However, Bloom's taxonomy is understood and is maybe the foremost widely applied one in use nowadays.

Through this, the extension program of the PUP Lopez, Quezon was assessed and aims to find out the impact and perception of the community on its project implementation.

Specifically, it aims to seek answer to the following:

1. What is the profile of the respondents in terms of:
  - 1.1 Sex
  - 1.2 Age
  - 1.3 Civil Status
  - 1.4 Source of Income
  - 1.5 Estimated Monthly Income
  - 1.6 No. of Household Members
  - 1.7 No. of Household who are students
  - 1.8 No. of Household members who have work
  - 1.9 No. of Household members who are dependent in their family
  - 1.10 Extension Activities Attended
2. To assess the impact of the implemented extension activities in terms of:
  - 2.1 Knowledge Acquisition
  - 2.2 Skills Development
  - 2.3 Attitude
3. To determine the significant relationship between the number of extension activities attended and the impact of the extension project.
4. To find out the percentage change on the income of the respondents before and after the community intervention.

### **Hypothesis**

Ho: There is no significant relationship between the number of extension activities attended and the impact of extension project.

### **METHODOLOGY**

Qualitative and quantitative methods with secondary data available at the extension management office of PUP Lopez were used. It has 182 respondents who are the actual attendees of extension activities of PUP Lopez from 2018-2021. However, due to unavailability of some respondents during the distribution of the instrument only 85% was retrieved. The answers were collected and analyzed to know the perception of beneficiaries and its impact. Hence, Instrument validation from experts was conducted and Cronbach alpha was used in the test of its reliability with an acceptable value of .83.

Named instrument based on the attendance sheets kept at the Extension Management Office was distributed where respondents were given enough time to answer the form and was retrieved after 3 days. Additionally, separate schedule of visit was done for the unstructured interview among 5 household beneficiaries. Afterwards, the collected answers from questionnaires were examined and analyzed. Frequency, percentage distribution, weighted mean, and Pearson's R were utilized to find out the perception and impact of the extension activities.

#### 4. RESULTS AND DISCUSSION

**Table 1: Profile of the Respondents**

Age	Frequency	Percentage (%)
11 to 20	26	16.9%
21 to 30	46	29.9%
31 to 40	30	19.5%
41 to 50	29	18.8%
51 to 60	11	7.1%
61 and above	12	7.8%
TOTAL	154	100%
Sex	Frequency	Percentage (%)
Female	110	71.4%
Male	44	28.6%
TOTAL	154	100%
Civil Status	Frequency	Percentage (%)
Single	69	44.8%
Married	80	52.0%
Separated	1	0.6%
Widow	4	2.6%
TOTAL	154	100%

**Age.** Majority of the respondents were married and 44.8% were single because the target beneficiaries are mostly household who have free time for the training.

**Sex.** Proportion of female respondents is 71.4%, while male respondents is 28.6 %.

**Civil Status.** Many of the respondents were married and fulfilled the accompanying obligations of parenthood. Followed by 69 who are single, four, were widows, and the least, were separated.

**Table 2: Source and amount of monthly income**

Source of Income	Frequency	Percentage (%)
Allowance	46	29.9%
Babysitter/Care Taker	4	2.6%
Carpenter	2	1.3%
Cook	1	0.7%
Driver	2	1.3%
Farming	53	34.4%
Govt. Employee	1	0.7%
Hog Raising	6	3.9%
Housemaid	2	1.3%

Laundry Worker	6	3.9%
OFW	1	0.7%
Online Seller	8	5.2%
Pensioner	3	2.0%
Quality Control	1	0.7%
Sari-sari Store	9	5.8%
Teacher	3	1.9%
Therapist	1	0.7%
Vendor	3	2.0%
Welder	2	1.3%
TOTAL	154	100%
Monthly Income	Frequency	Percentage (%)
1,000-5,000	77	50.0%
5,001-10,000	59	38.3%
10,001-15,000	6	3.9%
15,001 and above	12	7.8%
TOTAL	154	100%

**Source of Income**

Table 2 indicates that most of the respondents’ source of income was farming which is 34.4%, next, 46 respondents who get their income from allowance as students. 5.8% of them run their own sari-sari store, 5.2% got their of income from online selling, 3.9% of them runs hog raising business and the other 3.9% were laundry workers, 2.6% were babysitters/caretakers, 2.0% of them get their income from pension, were teachers, and the rest 2.0 % were vendors. While the 2 or 1.3% of the respondents were carpenters, drivers, housemaids, and welders. the least category which has 1 respondent, acquired income as a cook, government employee, OFW, quality control, and therapist.

**Monthly Income**

77 of the respondents earned between 1,000 to 5,000 pesos per month. 59 earned between 5,001 to 10,000 pesos per month, 12 earned 10,001 to 15,000 pesos per month, the other 7.8% had an income above 15,001 pesos per month.

**Table 3: Number and categories of household members**

Number of Members in Household	Frequency	Percentage (%)
1 to 2	9	5.8%
3 to 4	58	37.7%
5 to 6	74	48.1%
more than 6	13	8.4%
TOTAL	154	100%
Number of Students in Household	Frequency	Percentage (%)

None	17	11%
1 to 2	95	61.7%
3 to 4	41	26.6%
5 to 6	1	0.6%
TOTAL	154	100%
Number of Workers in Household	Frequency	Percentage (%)
1 to 2	131	85.1%
3 to 4	23	14.9%
TOTAL	154	100%
Number of Dependents in Household	Frequency	Percentage (%)
1 to 2	77	50%
3 to 4	75	48.7%
5 to 6	2	1.3%
TOTAL	154	100%

#### **Number of Members in Household**

In table 3, It was revealed that majority of respondents were between 5-6 people living in their household, followed by households with three to four people living in them. Thirteen respondents had more than six people living in their home, while only 5.8% of respondents had between one and three people living in their household.

#### **Number of Students in Household**

95 of the respondents, had between one and two students living in their household, 41 of the respondents, had between three and four students living in their household, 17 of the respondents, had no students living in their household, and only one respondent, had between five and six students living in their household.

#### **Number of Workers in Household**

131 respondents, have between one and two working people in their household, while 23 respondents, had between three and four working members in their household.

#### **Number of Dependents in Household**

77 of the respondents, had between one and two members of their household who were dependent on their other family members; 75 respondents, had between three to four members of their household who were dependent; and only 2, had between five and six members of their household who were dependent on their other family members.

**Table 4:Extension Activities Attended**

Title of extension activities conducted	Number of participants
Basic Electrical Wiring and Safety	51
Basic Household Safety	51
Accounting for Non-Accountants	51
Sipnayan sa Tahanan at Kanayunan	51
Piggery Production and Management	25

Tocino Making	25
Pricing, Costing, Packaging and Labeling	25
Record Keeping in Business	25
Laws Governing Business Management	25
Bonsai Plant Making	6
Costing and Pricing	6
Marketing	6
Dish Gardening and Business Organization Management	17
Bookkeeping and Record Keeping	45
Online Marketing Platform	45
Business Registration and Licensing	45
Advance Training on Electrical Wiring and Installation	45
Parental Involvement in the Math Education of Elementary Grades	71
Training on Online Marketing Platform and Development in Today's Era	25

This table provides a rundown of all the extension activities of PUP Lopez that were participated in. The activity entitled "Parental Involvement in Math Education of Elementary Grades" was attended by the greatest number of respondents which is 71 of them. Followed by 51 respondents who attended the activities "Basic Electrical Wiring and Safety," "Basic Household Safety," "Accounting for Non-Accountants," and "Sipnayan sa Tahanan at Kanayunan.", 45 respondents attended "Bookkeeping and Record Keeping: "Online Marketing Platform", "Business Registration and Licensing", "Advance Training on Electrical Wiring and Installation". The next 25 respondents participated in the "Piggery Production and Management, Tocino Making; Pricing, Costing, Packaging, and Labelling; Record Keeping in Business, and Laws Governing in Business Management," and "Training on Online Marketing Platform and Development in Today's Era". This contrasted with the number of respondents who attended "Dish Gardening and Business Organization Management", where there were 17 attendees, and the least number of respondents attended "Bonsai Plant Making", "Costing and Pricing", and "Marketing", with a total of 6 attendees.

**Table 5: Extension Activities of PUP Lopez, the Date of Implementation, Duration and Number of Participants**

Extension Activities	Duration	Date of Implementation	No. of Participants
Basic Electrical Wiring and Safety Basic Household Safety Accounting for Non-Accountants Sipnayan sa Tahanan at Kanayunan	2018	October 11	51
Piggery Production and Management Tocino Making Pricing, Costing, Packaging and Labeling Record Keeping in Business Laws Governing Business Management	2019	June 27	25

Bonsai Plant Making Costing and Pricing Marketing	2020	October 16	6
Dish Gardening and Business Organization Management	2021	July 7	17
Bookkeeping and Record Keeping Online Marketing Platform Business Registration and Licensing Advance Training on Electrical Wiring and Installation	2021	August 6	45
Parental Involvement in the Math Education of Elementary Grades	2021	October 12	71
Training on Online Marketing Platform and Development in Today's Era	2021	November 21	25

Table 5 presented that on the 11th of October 2018, there were 51 participants in the following activities: Accounting for Non-Accountants, Basic Household Safety, Basic Electrical Wiring and Safety, and Sipnayan sa Tahanan at Kanayunan. Piggery Production and Management, Tocino Making, Pricing, Costing, Packaging and Labeling, Record Keeping in Business, and Laws Governing Business Management were some of the activities that took place on June 27th, 2019, and a total of 25 participants took part in these activities. Additionally, six participants attended the Bonsai Plant Making, Costing and Pricing, and Marketing activities on October 16, 2020. On the 7th of July, 2021, there were 17 people who participated in the activities of Dish Gardening and Business Organization Management. On the 6th of August, 2021, there were 45 participants who attended Bookkeeping and Record Keeping, Online Marketing Platform, Business Registration and Licensing, and Advance Training on Electrical Wiring and Installation, as these activities were held. On October 12, 2021, there were 71 participants attended the activity on Parental Involvement in the Math Education of Elementary Grades, and on November 21, 2021, training on Online Marketing Platform and Development in Today's Era was attended by 25 participants.

**Table 6:KNOWLEDGE ACQUISITION**

Item	Mean	Verbal Interpretation
1. Acquired knowledge on proper wiring and installation	3.82	Strongly Agree
2. Acquired knowledge on safety measure in electrical wiring and installation	3.82	Strongly Agree
3. Acquired knowledge on the determination of defective electrical wirings	3.65	Strongly Agree
<b>Grand Mean:</b>	<b>3.76</b>	<b>Strongly Agree</b>

Basic Electrical Wiring Safety and Advance training on Electrical Wiring and Installation

**Legend:** “Strongly Disagree (1.00 – 1.50)”, “Disagree (1.51 – 2.50)”, “Agree (2.51 – 3.50)”, “Strongly Agree (3.51 – 4.00)”

Table 6 presents that most of the respondents who participated in Basic Electrical Wiring Safety and Advance Training on Electrical Wiring and Installation, with an average mean score of 3.82 gained knowledge of proper wiring and adjustment, and as gained knowledge on safety measures to avoid electrical hazards. Respondents also obtained knowledge on wire repair and electrical trouble shooting, with a mean score of 3.65. The verbal interpretation for this table shows that the respondents strongly agreed on this knowledge provided by PUP Lopez, as indicated by the grand mean score of 3.76 out of 4. According to (Pereyras,2020), this kind of activities are blessing on the society due to the improvement of knowledge about electrical system. Training on both hands-on experience and learnings from trainers is must to be hired as an electrician.

**Table 7:Basic Household Safety**

	Mean	Verbal Interpretation
1. Equipped with knowledge on security and protection for the family	3.84	Strongly Agree
2. Equipped with knowledge on how to prepare for fortuitous events	3.84	Strongly Agree
3. Equipped with knowledge on precautionary measures needed at home	3.86	Strongly Agree
<b>Grand Mean:</b>	<b>3.76</b>	<b>Strongly Agree</b>



**Legend:** “Strongly Disagree (1.00 – 1.50)”, “Disagree (1.51 – 2.50)”, “Agree (2.51 – 3.50)”, “Strongly Agree (3.51 – 4.00)”

Table 7 presents those who attended the Basic Household Safety activity. It was discovered that the respondents had a mean score of 3.86, indicating that they strongly agreed and some of them are agreed that they obtained knowledge regarding the proper storing and management of dangerous materials that could cause harm to the family. Other respondents also strongly agreed that they became ready for the possible accidents that may happen inside the household, as well as the fact that they learned to have security and protection against harmful hazards, with a mean score of 3.84. The fact that the grand mean score was 3.84 out of 4 demonstrates that they strongly agree in the knowledge that they gained from participating in the activity. It is possible to protect oneself against catastrophic events like fires as well as everyday accidents like falls by maintaining a risk-free home environment and providing appropriate safety equipment.

**Table 8:Accounting for Non-Accountants**

	Mean	Verbal Interpretation
1. I gained knowledge on how to manage finances	3.94	Strongly Agree
2. I gained knowledge on proper budgeting	3.94	Strongly Agree
3. I gained knowledge on how to compute and applied it in everyday lives	3.92	Strongly Agree
Grand Mean:	3.93	Strongly Agree

**Legend:** “Strongly Disagree (1.00 – 1.50)”, “Disagree (1.51 – 2.50)”, “Agree (2.51 – 3.50)”, “Strongly Agree (3.51 – 4.00)”

Table 8 revealed that respondents were strongly agreed that they learned how to efficiently manage funds and that they also learned how to effectively budget with a mean score of 3.94. They gave this activity a mean score of 3.92, agreed that it helped them learn how to perform basic mathematical operations which they may apply daily. The total grand mean score was a 3.93 out of a maximum 4, which indicates that they were in favor with this knowledge. According to radio host Dave Ramsey, “A budget is telling your money where to go instead of wondering where it went.”

**Table 9:Sipnayan sa Tahanan sa Kanayunan and Parental Involvement in the Math Education of Elementary Grades (BSED)**

	Mean	Verbal Interpretation
1. I applied my knowledge on teaching my children effectively	3.94	Strongly Agree
2. I applied my knowledge on imposing right discipline and improved my children’s skills in Math	3.94	Strongly Agree
3. I was able to help my kids in doing their Math assignments	3.94	Strongly Agree
Grand Mean:	3.94	Strongly Agree

**Legend:** “Strongly Disagree (1.00 – 1.50)”, “Disagree (1.51 – 2.50)”, “Agree (2.51 – 3.50)”, “Strongly Agree (3.51 – 4.00)”

In table 9, with an overall grand mean score of 3.94, it demonstrates that the participants strongly agreed that they use their knowledge on the process of teaching children properly, use their knowledge on how to discipline children properly, and expand children's knowledge about math. This is shown by the fact that the participants scored very high on the overall question. In addition, its clear in their belief that they can assist children and other students who struggle with mathematics. According to Sharon Wolf: Parental involvement makes a big difference, especially in early childhood. It has been proven to enhance children’s academic performance and contribute to their overall success in school.

**Table 10:Piggery Production and Management (BSAME)**

	Mean	Verbal Interpretation
1. I gained knowledge on the right way of measuring the swine physical development	3.88	Strongly Agree
2. I gained knowledge on how to market the produce with corresponding profit	3.88	Strongly Agree
3. I gained knowledge on monitoring the weight properly	3.90	Strongly Agree
Grand Mean:	3.88	Strongly Agree

**Legend:** “Strongly Disagree (1.00 – 1.50)”, “Disagree (1.51 – 2.50)”, “Agree (2.51 – 3.50)”, “Strongly Agree (3.51 – 4.00)”

Table 10 shows that the respondents improved their knowledge on how to properly weigh pig and meat, as indicated by the mean score of 3.90; in addition, they improved their knowledge on how to properly weigh goods in order to sell them and make a profit, with an grand mean score of 3.88, the fact that they participated well in the activity with an overall mean score of 3.88 out of 4 indicates that they firmly agreed that participation in the activity helped them in acquisition of knowledge about Piggery Production and Management.

**Table 11:Tocino Making (BSHM)**

	Mean	Verbal Interpretation
1. I learned knowledge on making tocino	4.00	Strongly Agree
2. I learned knowledge on ensuring the quality of the product	4.00	Strongly Agree
3. I applied my knowledge in making my own tocino at home	3.92	Strongly Agree
Grand Mean:	3.97	Strongly Agree

**Legend:** “Strongly Disagree (1.00 – 1.50)”, “Disagree (1.51 – 2.50)”, “Agree (2.51 – 3.50)”, “Strongly Agree (3.51 – 4.00)”

Table 11 exhibits that respondents learned the process of making tocino and how to enhance the flavor and quality of it with mean score of 4.00. They also utilized their knowledge to produce homemade tocino. With a grand mean score of 3.97, it is evident that they strongly agree that the learnings they gained from the activity are beneficial because they have applied it in their everyday life.

**Table 12:Pricing, Costing, Packaging and Labeling (BSBA) or Costing and Pricing (BSBA)**

	Mean	Verbal Interpretation
1. I was able compute the right amount of capital and other expenses	3.58	Strongly Agree
2. I gained knowledge on the preparation of effective labeling and packaging	3.58	Strongly Agree
3. Improved my knowledge on pricing, packaging and labeling	3.62	Strongly Agree
Grand Mean:	3.59	Strongly Agree

**Legend:** “Strongly Disagree (1.00 – 1.50)”, “Disagree (1.51 – 2.50)”, “Agree (2.51 – 3.50)”, “Strongly Agree (3.51 – 4.00)”

Table 12 provides that the participants increased their understanding on the importance of pricing, cost, packaging, and labeling of a product, earning the mean score of 3.62 because of their participation in the activity. In addition, participants learned how much should be invested and spent on making their own product or service and learned how to make effective labels for the packaging of products, with a mean score of 3.58. The fact that this activity obtained grand mean score of 3.59 indicates that they strongly agreed in their opinion that the activity taught them something.

**Table 13:Record keeping in business (BSOA) or Bookkeeping and Record Keeping (BSBA)**

	Mean	Verbal Interpretation
1. I learned the proper way of organizing records at home	3.73	Strongly Agree
2. It guides me in having clear records for business income, tax payables and ensure smooth flow of managing business	3.73	Strongly Agree
3. I applied the knowledge earned in organizing expenses at home	3.73	Strongly Agree
Grand Mean:	3.73	Strongly Agree

**Legend:** “Strongly Disagree (1.00 – 1.50)”, “Disagree (1.51 – 2.50)”, “Agree (2.51 – 3.50)”, “Strongly Agree (3.51 – 4.00)”

Table 13 displays the grand mean of 3.73% (strongly agree) that they had knowledge in organizing records, income, expenses, and taxes to make sure the business as running properly. According to Neil Marshall, Businesses operating in a fast-paced and dynamic environment, the task of keeping records can fall secondary to

everyday business operations. However, failing to efficiently keep up-to-date and comprehensive records can hurt your business's long-term operations.

**Table 14:Laws Governing Business Management (BAPA)**

	Mean	Verbal Interpretation
1. It provides knowledge on the importance of laws and regulations in business organization	3.85	Strongly Agree
2. I learned knowledge on how to run a business legally	3.77	Strongly Agree
3. It improves my knowledge on the process of starting a business	3.85	Strongly Agree
<b>Grand Mean:</b>	<b>3.82</b>	<b>Strongly Agree</b>

**Legend:** “Strongly Disagree (1.00 – 1.50)”, “Disagree (1.51 – 2.50)”, “Agree (2.51 – 3.50)”, “Strongly Agree (3.51 – 4.00)”

Table 14 shows that 3.85 of respondents gained knowledge about the importance of business establishment law and expanded their minds about the laws that need to be followed when building a business and 3.77 of respondent gained knowledge on how to run a business legally. So, the grand mean of 3.82 and verbally interpreted as (strongly agree) project that they gained knowledge in Laws Governing Business Management.

**Table 15:Bonsai Plant Making (BSAME)**

	Mean	Verbal Interpretation
1. I learned proper ways of taking care of the plants	3.35	Agree
2. I learned proper ways of effective bonsai making	3.27	Agree
3. I was able to apply my knowledge in taking care of my plants at home	3.31	Agree
Grand Mean:	3.31	Agree

**Legend:** “Strongly Disagree (1.00 – 1.50)”, “Disagree (1.51 – 2.50)”, “Agree (2.51 – 3.50)”, “Strongly Agree (3.51 – 4.00)”

Table 15 exhibits that 3.35 respondents gained knowledge on how to animate a plant, 3.31 of the respondents used what they learned in planting not only about bonsai but also how to plant and care for other plants and 3.27 of the respondent's gained knowledge on how to properly process bonsai care with a grand mean of 3.31 (agree). According to Pam Maynard Bonsai plant are adaptable to any space and require little maintenance. When you grow these plants, they can revalorize your workspace or environment.

**Table 16:Dish Gardening and Business Organization and Management (BSBA)**

	Mean	Verbal Interpretation
1. Equipped with knowledge on designing the dish bowl	4.00	Strongly Agree
2. Equipped with knowledge on effective management of plant-related business	4.00	Strongly Agree
3. I became interested in planting plants	4.00	Strongly Agree
<b>Grand Mean:</b>	<b>4.00</b>	<b>Strongly Agree</b>

**Legend:** “Strongly Disagree (1.00 – 1.50)”, “Disagree (1.51 – 2.50)”, “Agree (2.51 – 3.50)”, “Strongly Agree (3.51 – 4.00)”

In this table, overall mean 4.00 revealed that respondents gained knowledge in what plants can combine and how to arrange plants in a dish bowl, they also learned on to effectively manage a business and respondents became interested in planting and caring of plants. So, the grand mean score would be 4.00 (strongly agree).

According to Vina Medenilla Dish Garden can be kept up without taking up much room. This can filter out contaminants in indoor air and aid in stress reduction.

**Table 17: Online Marketing Platform, Marketing (BSBA) or Training on Online Marketing Platform Development in Today's Era**

	Mean	Verbal Interpretation
1. It provides knowledge on how to sell and promote products using social media platforms	4.00	Strongly Agree
2. I learned how to convince customers using online platforms	3.83	Strongly Agree
3. I learned the right process of running a business through online	4.00	Strongly Agree
Grand mean:	3.94	Strongly Agree

**Legend:** "Strongly Disagree (1.00 – 1.50)", "Disagree (1.51 – 2.50)", "Agree (2.51 – 3.50)", "Strongly Agree (3.51 – 4.00)"

This table shows that strong agreement (4.0) of the respondents was placed on how to promote and sell products through social media and the right process of running business online. Mean of 3.83 indicates that they gained knowledge on convincing customers via online. So, the grand mean score would be 3.94 (strongly agree). According to Karan Shah we can confidently state that using digital marketing to put your company on a growth trajectory is crucial if you want to see success in the modern business world.

**Table 18: Business Registration and licensing**

	Mean	Verbal Interpretation
1. I obtained knowledge about business regulations	3.83	Strongly Agree
2. I was provided with the legal requirements of business	3.83	Strongly Agree
3. I was equipped with knowledge on the needed permit and licenses for business start-ups	3.83	Strongly Agree
Grand Mean:	3.83	Strongly Agree

**Legend:** "Strongly Disagree (1.00 – 1.50)", "Disagree (1.51 – 2.50)", "Agree (2.51 – 3.50)", "Strongly Agree (3.51 – 4.00)"

This table shows that the overall mean in this program was 3.83 where the respondents gained knowledge on the rules of running a business, what legal documents are needed to establish a business and about the licenses that must be obtained. So, the grand mean score would be 3.83 (Strongly Agree).

## SKILLS DEVELOPMENT

**Table 19: Skills Development**

	Mean	Verbal Interpretation
1. I expressed my knowledge and skills in the training provided	3.84	Strongly Agree
2. I was able to transferred my knowledge and skills to others	3.82	Strongly Agree
3. It improves my skills and ability	3.82	Strongly Agree
Grand Mean:	3.83	Strongly Agree

**Legend:** "Strongly Disagree (1.00 – 1.50)", "Disagree (1.51 – 2.50)", "Agree (2.51 – 3.50)", "Strongly Agree (3.51 – 4.00)"

This table shows that 3.84 respondents were able to demonstrate their knowledge and proficiency in training, 3.82 respondents help others with their own trainings and had their own strengths and abilities. So, the grand mean would be 3.83 (Strongly Agree). By increasing employability and labor productivity and making nations more competitive, skill development may support structural change and economic growth.

**ATTITUDE**

**Table 20:Attitude**

	Mean	Verbal Interpretation
1. It helps me developed self-confidence and grow personally	3.85	Strongly Agree
2. It helps me realized the importance of other people in the community and be aware of all the undertakings in the area	3.84	Strongly Agree
3. It helps improve my social skills and how to be respected	3.86	Strongly Agree
Grand Mean:	3.85	Strongly Agree

**Legend:** “Strongly Disagree (1.00 – 1.50)”, “Disagree (1.51 – 2.50)”, “Agree (2.51 – 3.50)”, “Strongly Agree (3.51 – 4.00)”

This table revealed that 3.86 respondents were able to develop camaraderie and respect, 3.85 respondents developed courage to learn and grow and 3.84 respondents were able to relate to the things that are happening in the environment. So, the grand mean score would be 3.85 (Strongly Agree).

**Table 21:Pearson r: Significant Relationship between the Number of Extension Services Attended and the Perceived Impact of the Implemented Activities**

Indicators	Pearson Coefficient	Interpretation	p-value	Decision	Remarks
Respondent’s Reviews	0.0539	Weak Positive Correlation	0.507	Failed to Reject Ho	Not Significant

**Note:** ‘If p-value is less than or equal to the level of significance (0.05) reject Ho, otherwise failed to reject Ho’

The table exhibits the result of the Pearson correlation that the significant relationship between the number of Extension Services Attended and the perceived impact of the implemented activities is not significant with the p-value of 0.507 and coefficient of 0.0539. This means that the relationship between two variables is weak positive correlation and failed to reject Ho.

**Table 22:Comparison of Beneficiaries Income Before and After the Intervention**

Monthly Income	Before Intervention (2018)		After Intervention (2022)		Percentage *Increase/(Decrease)
	Frequency	Percentage	Frequency	Percentage	
1,000-5,000	112	64%	72	46.75%	(35.71%)
5,001-10,000	45	25.71%	59	38.31%	*31.11%
10,001-15,000	10	5.71%	11	7.14%	*10%
15,001 and above	8	4.58%	12	7.8%	*50%
TOTAL	175	100%	154	100%	*55.4%

Table 22 shows that there is a positive change in the income of the beneficiaries before the extension project was implemented in 2018 where the greatest number of respondents earned an income of 1,000 to 5,000 pesos. Notably, a decrease in the percentage change of 35.71% in the same range of income was a good indication that extension project of PUP Lopez created change to their source of livelihood. Likewise, percentage increases in the higher range of income from 5001- to 15,001 and above shows a remarkable impact in the income of the beneficiaries. Certainly, a total increase in percentage change of 55.4% is a manifestation of worthwhile results.

**Summary of Findings**

Based on the gathered results, the demographic profile from one hundred fifty-four (154) respondents, the largest group was found in the age bracket of 20-30 years old and the least number came from the age bracket of 51-60 years old. In sex, females made up the majority group of with the total percentage of 71.4%, while males have a percentage of 28.6%. These beneficiaries were from Brgy. San Francisco- A Lopez, Quezon, the vast majority marital status of the respondents was married with a total percentage of 52% and the least in civil status was separated with a total percentage of 0.6%. The most source of income of the respondents are farming with a total percentage of 34.4% and the least in the data was a therapist, cook, government employee, OFW, and quality control with a percentage of 0.7%. In their monthly income, the highest or half of the respondents has a total of 50% that they earn 1,000 to 5,000 pesos a month and the least was earning above 15,001 with a total percentage of 7.8%. In the number of members in household of the respondents the highest is 5 to 6 members which is 48.1% and the lowest was 1 to 2 and 3 to 4 members which is 5.8%. In number of students in

household the highest data was 67% which is 1 to 2 students and the lowest was 5 to 6 students in 0.6%. For the number of dependents in household the highest percentage was 50% have 1 to 2 members and the lowest has 1.3% answering 5 to 6 members. In extension activities attendees, the activity entitled "Parental Involvement in Math Education of Elementary Grades" has the highest number of attendees in total frequency of 71 and the lowest is entitled attended "Bonsai Plant Making", "Costing and Pricing", and "Marketing", had a total frequency of 6 attendees.

Using the Likert scale about Knowledge, Skills, and Attitude of the extension programs, in the first activity the highest mean is 3.82 in "Basic Electrical Wiring and Safety and Advance training on Electrical Wiring and Installation" and the lowest mean was 3.65 and the total grand mean of this activity is 3.76 which means strongly agree. Next is "Basic Household and Safety" the highest mean of this activity was 3.86 and the lowest is 3.84 and the total grand mean is 3.84 with the verbal interpretation of strongly agree. In "Accounting for Non-Accountants" most of them answered strongly agreed with the highest mean of 3.94 and the lowest is 3.92 with the total grand mean of 3.93 and shows that respondents strongly agreed about their gained knowledge in this program. In "Sipnayan sa Tahanan sa Kanayunan or Parental Involvement in Math Education of Elementary Grades" the overall mean and the grand mean was 3.94 demonstrating that the participants strongly agreed in proper teaching and process of learning about math. Next is "Piggery Production and Management" since most of the respondent's source of income is hog raising and farming the highest mean of this activity is 3.90 and lowest was 3.88 with a total grand mean of 3.88 and they strongly agreed that this activity gave knowledge to them. In "Tocino Making" the participants strongly agree with two highest mean 4.00 and the lowest is 3.92 with the total grand mean of 3.97 that they used their knowledge about making tocino in their everyday lives. Next "Pricing, Costing, Packaging and Labeling or Costing and Pricing" in this activity the highest mean is 3.62 and lowest is 3.58, they strongly agreed that their knowledge about this activity was effective especially for the online sellers. In "Record keeping in business (BSOA) or Bookkeeping and Record Keeping" participants strongly agree with overall mean and total grand mean of 3.73 that they gained knowledge about this activity. The results of the survey on Laws Governing Business Management show that most respondents had a mean total of 3.85, while the smallest number of respondents had a mean of 3.77. The fact that the grand mean is 3.82 indicates that the respondents strongly agreed, while the findings of the Bonsai Plant Making activity showed that many respondents had a mean score of 3.35, while the least had a mean score of 3.27. It is clear, based on the total of 3.31 for the grand mean, that they all believed that they gained knowledge from participating in this activity. It is clearly obvious from the fact that this activity received an overall mean score of 4.00 in both Dish Gardening and Business Organization and Management that the respondents were benefited in participating in it. The results for Online Marketing Platform, Marketing, or Training on Online Marketing Platform Development in Today's Era range from a high of 4.00 to a low of 3.83. According to the results, which had a grand mean of 3.94, the respondents strongly agreed. The overall mean for Business Registration and Licensing is 3.83, which shows that the respondents strongly agree with the activity.

The data for Skills Development show that a score of 3.84 is the highest mean, and that a score of 3.82 is the lowest mean. The overall grand mean is 3.83, which indicates that the respondents strongly agreed.

When it comes to Attitude, the value with the greatest mean score comes in at 3.86, while the value with the lowest mean score comes in at 3.84. The fact that the grand mean is 3.85 suggests that the respondents strongly agreed.

Relationship between the Number of Extension Services Attended and the Perceived Impact of the implemented activities was not statistically significant.

Unstructured Interview with extension project beneficiaries revealed the following:

#### **Participant 1:**

##### **Question1 : What was the effect of the extension project provided by PUP Lopez?**

*"(It provides us knowledge such as wiring and installations, dish gardening and bonsai making. Knowledge gained will be useful when we are about to organize our group"*

##### **Question2: On what extent do you share your gained knowledge to your family?**

*"It helps me improved my knowledge and apply it in our day-to-day activities at home, also as treasurer of CARD financing, I learned the proper recordings of CARD members share. In addition, I applied it to my small business in the direct selling through proper recording and bookkeeping"*

##### **Question3: What can you say on the PUP Lopez trainings extended to you?**

*"We are very thankful to PUP for choosing us to be the recipients of these trainings and it will help us improve our lives"*

#### **Participant 2:**

**Question1: What was the effect of the extension project provided by PUP Lopez to your community, does it provide an impact to you personally as one of the members of Brgy. San Francisco-A?**

*“It creates a big impact as a mother because of the learnings I obtained such as tocino making that adds income for my family. Also, the knowledge I gained was being used now”*

**Participant 3:**

**Question1:** *As one of the PUP Lopez beneficiaries, what was the impact of the extension activities to you as a member of the community? Or being a mother?*

*“I learned a lot especially the bonsai making where I found out that plants grow in water. Also, we realized that many plants can be turned in bonsai”*

**Participant 4:**

**Question1:** *As participant of the training provided by PUP, what was its impact to your community)?*

*“For me, PUP trainings provided create big impact, At first, I gained knowledge about record keeping, through the expertise of the trainers, I learned the proper record keeping and organizing the documents. Other trainings like water bonsai making helps me realize that through water solution, plants will easily grow, especially that I am a plant lover. Training of swine production also creates a big help because this is one of the sources of income in our place. I learned the proper ways of swine business form its rearing until harvesting. The truth is during pandemic, I used that knowledge to help augment the source of living of my family”*

**Participant 5**

**Question1:** *Generally, what was the great impact of PUP Lopez program to the residents of your Barangay?*

*“In my opinion, it creates a big impact in our community. First, the basic safety for every individual where they could use it in their family at home. Also, knowledge on electrical wiring provides great impact in the Barangay”*

**CONCLUSIONS AND RECOMMENDATIONS**

Based on the findings of this study, it was concluded that the extension project implemented by PUP Lopez at Brgy. San Francisco-A, Lopez, Quezon dubbed as “Kumikitang Mamamayan Para sa Kaunlaran ng Bayan” developed a positive turnout in the lives of beneficiaries. To wit:

- Participants strongly agreed on the knowledge they acquired in the trainings they attended from 2018 to 2021.
- Skills were developed as the grand mean indicates that respondents strongly agreed in skills development items.
- Attitude was changed remarkably as reflected in the grand mean with a verbal interpretation of strongly agree.
- However, relationship between the number of extension activities attended and its impact to the beneficiaries was not statistically significant which resulted to acceptance of null hypothesis, and
- It is good to note that there is a positive impact on the percentage change of beneficiary’s income before and after the community intervention.

Through these findings, extension management unit of PUP Lopez may now look for another community to be served since there is a good manifestation that the extension project and activities conducted to the beneficiaries in Brgy. San Francisco-A were changed positively particularly on matters pertaining to knowledge acquisition, skills development, and attitude building. It was also observed in the results that the number of activities attended by the participants did not create positive impact to them. Therefore, it is suggested that extension project should clearly identify the target participants and cater to the same group while on the duration of extension project implementation. Lastly, long term impact assessment should be done by going back to the community, let them stand on their own without supervision for one to two years.

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