

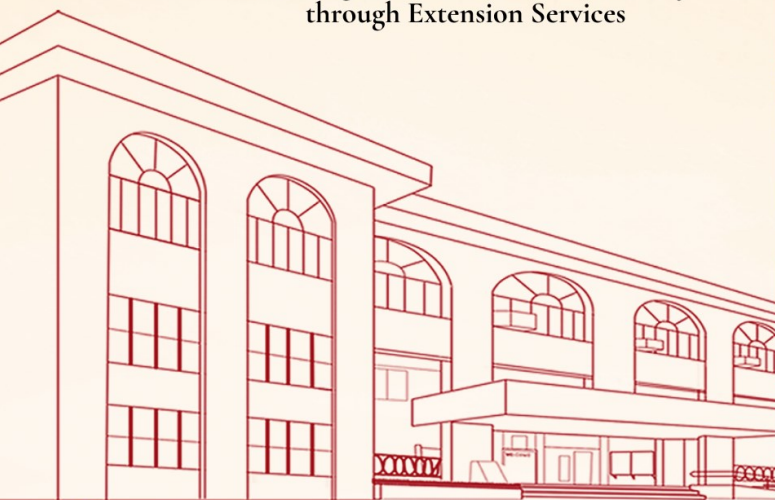
Interdisciplinary Extension Journal of Tarlac State University



THE PORCH

Compilation of Abstracts

SPECIAL EDITION
Touching the Lives of the Community
through Extension Services



Tarlac State University
Extension Services Management Office
IMS 9001:2015 Certified

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ISSN 2718-9341

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Published Annually by the
Tarlac State University
Extension Services Management Office

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Special Edition
Volume 1 June 2022

Foreword

The Tarlac State University (TSU), through the Extension Services Management Office (ESMO), manages interdisciplinary impactful extension services by the extensionists to achieve local, national, and worldwide development, guided by the mantra "Extension is Quality Service."

Previously, the ESMO held its Annual Extension In-House Review, the evaluation of completed extension services continues. ESMO has also innovated its system and process by establishing the Extension Studies and Publication Unit (ESPU), which is tasked to plan, manage, and conduct extension studies of completed extension services. In addition, the ESMO also incorporated the knowledge learned from the capacity development offered by the University of the Philippines to be abreast in project planning and development and results-based monitoring and evaluation. These are done to complement the aim of the TSU to champion community development through extension services.

The Porch Interdisciplinary Extension Journal: Special Edition has the theme "Touching the Lives of the Community through Extension Services". This special edition is a compilation of the impact evaluation of completed extension projects and activities from 2017-to 2021. This edition is categorized into two (2) schemes. Scheme A papers are authored by the faculties in the University who submitted their intent on conducting the impact evaluation of completed extension projects and activities. Scheme B, on the other hand, are papers written by the support staff in ESMO.

Furthermore, despite the recent challenges brought by the world's complexity, the mentioned authors stepped up to the challenge and are passionate enough to exhibit the unique TATAK TSU Projects, which touched the community's lives.

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IMPACT EVALUATION OF THE 2018 SEMINAR-WORKSHOPS AND CONSULTANCY SERVICES OF INDUSTRIAL TECHNOLOGY PROGRAM ON COMMON SERVICE FACILITY MAINTENANCE FOR THE AGRARIAN REFORM BENEFICIARIES ORGANIZATIONS

Maria Tiara Fatima F. Galang and Izelle C. Francisco

College of Public Administration and Governance

This study evaluated the impact of the extension activity provided by the Industrial Technology Program of the TSU-College of Engineering and Technology to the Hacienda Luisita ARBOs in 2018, which included the conduct of a seminar-workshop and consultancy on common service facility (CSF) maintenance. With the end in mind of assisting these organizations towards making this enterprise sustainable, the study traced the impact of the activity in terms of the applicability of the acquired knowledge, Improvement of CSF operation and maintenance and improvement of business operations. Furthermore, the study determined the effects of the interventions on the ARBOs and its accompanying factors. Convergent parallel mixed methods research design was used where the impact evaluators collected both forms of data simultaneously and integrated them with the interpretation of the overall results. Interviews and surveys with the Department of Agrarian Reform (DAR) and ARBO supplemented with documentary analysis were done to collect the necessary data for the study. Findings showed that learnings were acquired and consequently applied by the majority of the ARBOs trained by TSU where until now, the CSF remains operational and used as an income source. Furthermore, the study results revealed that ARBOs consistently generated income from the CSF, which was used as a source for operation and maintenance expenses for both the tractor and the organization. In addition, in 3 years, the ARBOs were able to positively manage the CSF's proceeds through acquiring additional assets, settling loans and even, initiating outreach programs to its members adversely affected by the worldwide pandemic. This is in exception of three organizations from Lourdes, Cut Cut II and Parang whose 120 HP tractors were pulled out due to mismanagement. Issues and problems with training new tractor operators and records keeping emanated which served as springboards for future interventions. Highly suggested to address these include refresher training specific to each ARBO's needs and the creation of a monitoring team to assess the maturity of ARBOs and capacity to be self-sustaining.

IMPACT ASSESSMENT OF THE 2019 CONSULTANCY SERVICES ON SYLLABI AND NOTE, EXECUTIONS, CURRICULUM DEVELOPMENT FOR THE SELECTED COLLEGES (2) IN TARLAC PROVINCE

Patricia Ann D. Estrada

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Commission on Higher Education (CHED) has mandated that universities and colleges in the Philippines provide educational and civic services to the communities. Recently, the Commission began efforts to re-direct extension programs following CHED Memorandum Order 52, series of 2016. In light of this, the College of Criminal Justice Education conducted an extension activity entitled “Consultancy Services on Syllabi and Notes, Executions, Curriculum Development for the Selected Two (2) Colleges in Tarlac Province” in the year 2019. This impact assessment employed a mixed method particularly the researcher combined the elements of both the qualitative and quantitative research approaches for broad purposes of freedom and depth of the data and for the understanding and corroboration of the whole research. This paper pertains to the Impact Assessment of the 2019 Consultancy Services on Syllabi and Notes, Executions, Curriculum Development for the Selected Colleges (2) in Tarlac Province, wherein it is a method of determining the significance of changes brought about by organizational activities and measuring their effectiveness. This paper determined the impact of the extension activity in terms of applicability of gained knowledge in crafting syllabus and notes for all major subjects of BS Criminology; improvement on the performance of the faculty in presenting relevant trends or new laws governing BS Criminology; improvement on the performance of the students in class; the positive and negative effects of the extension activity, the problems encountered by the beneficiaries and the recommendations to improve the extension activity provided. This paper suggests some possibilities in terms of directions for future work. Hence, it highlighted some of the difficult issues that curriculum and instruction face.

**IMPACT EVALUATION OF THE 2018 SCHOOL-BASED
DEVELOPMENT ASSISTANCE PROJECT (DAP) OF
AB ENGLISH LANGUAGE STUDIES PROGRAM
FOR RAMOS NATIONAL HIGH SCHOOL**

Aloysius T. Madriaga, Bryan Jan S. Dizon, and Ruby Rose P. Vinluan
College of Arts and Social Sciences

This research assessed the impact of the 2018 School-Based Development Assistance Project (DAP) of the College of Arts and Social Sciences - English Language Studies Department by providing a seminar/workshop to the beneficiary, Ramos National High School (RNHS). The series of seminars/workshops aimed to contribute to improving the curriculum development, student campus journalism, faculty and student research writing, and guidance counseling. Convergent parallel mixed method was utilized, where the assessors' collected data from the questionnaire and school accomplishment reports in the interpretation of the overall results. The on-site interview with the principal, headteachers, and faculty-in-charge supplemented the documentary analysis in the interpretation of data. Application of knowledge transfer was evident from the reports that there was a sustained increase in ranks and accomplishments for the campus press conference in division and regional level Constant top spot as recorded in photojournalism and news writing. In research writing, the faculty have adopted the formatting and guidelines of Tarlac State University in the conduct of research. Further lesson plans and classroom activities were developed to focus on outcomes-based education. Student participation and faculty involvement were regarded as notable impact on the curriculum development cited from the project KALINGAIN, KABALIKAT, I Care, DICE, etc. Improvements in operations were also exhibited based on the reports on establishing systems and policies in guidance and counseling. A classroom-based discipline and counseling system were established where advisers were the class managers. From thereon, campus guidance counselors shall address unresolved concerns. Further, findings showed that the extension service contributed to the diagnosis, improvement, re-establishment, and updating of systems, policies, and procedures for student welfare and services. It was also commended that the extension service has contributed to the achievement of the Level III School-Based Management assessment of the Department of Education (DepEd) to the RNHS. Beneficiaries have identified follow-up intervention activities that can be set for future extension service on the area of library management and research innovations. Flexible learning and learning continuity plan were also considered for future benchmarking activities of RNHS to Tarlac State University.

IMPACT ASSESSMENT OF THE 2019 SEMINARS AND OUTREACH EXTENSION PROJECTS OF THE AB COMMUNICATION PROGRAM FOR THE SELECTED COMMUNITIES (4) IN TARLAC PROVINCE

Rodel P. Macasaquit, Raffy S. Aganon, and David V. Lip
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Many indigenous communities in the country lack adequate access to water, sanitation, and hygiene promotion. Water quality is critical to our health, communities, and economy. We require clean water upstream to have thriving communities downstream. The health of rivers, lakes, and ground water is dependent on water quality. Clean water is critical to our economy. The Community in Sitio Bueno, Capas is resilient in coping with the challenges of traversing the hills and mountains to get water to drink and use in their daily lives is one of its best practices. The upkeep of cleanliness, particularly in the water pump area and the two natural wonders (hot springs) that attract both tourists and locals. Finally, there is a spirit of camaraderie and unity as everyone patiently waits their turn in line to receive their water supply. Unfortunately, the initial site of one water pump was inefficient in terms of water delivery and was moved to a new location. This occurred because the area is located along the Tarlac River's riverbank, where most homes are built on sandy soil. Nonetheless, it is commendable that the community benefits from and supports the water pumps. The water pump is not suitable for drinking because it occasionally emits a stench and has a rusty appearance. This adds up to an additional cost for each household because they have no alternative but to purchase mineral water.

IMPACT ASSESSMENT OF THE 2019 CAPABILITY DEVELOPMENT TRAINING SERVICES OF AB PSYCHOLOGY PROGRAM FOR DSWD TARLAC HOME FOR WOMEN UNDER PROJECT LUMINA

Nerissa S. Olarte and Maria Fermina Joyce C. Nucum
College of Arts and Social Sciences

DSWD Tarlac Home for Women cater to the vulnerable sector composed of women and children as well as elderly and persons with disability. Thus, the Tarlac State University through the College of Arts and Social Sciences, AB Psychology Department Faculty Members under the Educational Support Services Program (ESSP) of the University Extension Services Management Office implemented the PROJECT LUMINA (meaning 'to give light'). The said project aimed to provide hope and guide through the conduct of Capacity Building Trainings for the staff and Therapeutic Group Sessions with the client under institutional care. This Impact Assessment employed a mixed methods combining both quantitative and qualitative design. A quantitative approach through a survey questionnaire with Likert Scale to measure reaction and learning through trainings conducted for capacity development and qualitative approach through a semi-structured questionnaire interview with video conferencing, focus group discussion (FGD) and Key Informants were applied to evaluate the behavior and results level of outcomes. Findings revealed that there is an increased confidence in addressing and solving the problem, improved quality of work manifested by a better working relationship among the staff and the residents, decreased number of tantrums of residents due to the learned strategies in handling special cases among residents, reduced frequency and/or severity of accidents, increased positive behavior as recounted by participants who became aware of self-care to be able to care for others, and higher rate of release for community integration manifested in the record of the center with the growing number of residents released to relative mostly women and their minor and elderly dependents. According to the results, the identifies problems include but not limited to the tantrums of the residents, quarrels among the residents, wanting to escape and suicidal tendencies of some clients. Thus, based on the findings and conclusion, the researchers recommended to adapt to the needs of the participants with a growing number of victims of online human trafficking, sexual harassment, and persons with disabilities (PWD) admitted as their clients, their needs must be analyzed by the experts to identify the next appropriate training and to continue desire to continue the partnership through the Project Lumina either on a face to face or a virtual platform as they point out they are really needing the human development trainings.

**TOWARDS IMPROVING EXTENSION PROJECTS FOR THE COMMUNITY: AN
IMPACT ASSESSMENT OF THE 2019 AWARENESS CAMPAIGN
SEMINAR ON TEENAGE PREGNANCY AND HIV OF THE NURSING PROGRAM
FOR THE SECONDARY HIGH SCHOOL IN GERONA, TARLAC**

Vien Jamaica D. Samson¹ and Kichelle B. Soliman²

College of Public Administration and Governance¹

Extension Services Management Office^{1,2}

This study assesses the impact of the extension activity provided by the TSU-College of Science- Master of Nursing Program for the Secondary High School in Gerona, Tarlac. The impact assessment employed contribution analysis convergent parallel mixed methods research design to determine the contribution of the extension intervention to the partner-beneficiary and used questionnaire and interview to know the impact of the activity on the awareness campaign seminar on teenage pregnancy and HIV of the nursing program. The total participants of the study were 72 grade 12 students. Results show that even though the extension activity was conducted last 2019, retention of the knowledge learned and application of the learnings was highly substantial. In addition, the respondents gained knowledge about the cause and effects of teenage pregnancy and HIV. It can be noted that the respondents applied the knowledge gained in their personal life by learning to treat themselves with respect, focusing on their education, and being careful and meticulous in accepting friend requests on social media. Likewise, because of the awareness campaign, the respondents focused on valuing their health, especially during the pandemic. Learnings on the said activity were also shared with the respondents' friends, family, and acquaintances. The findings of this study could serve as an input for the COS-Nursing Department to strengthen the development of projects and programs pertaining to health to address the needs of the schools and the community. This study also suggests stakeholders' collaboration to assist better and support the schools, students, and the community.

ASSESSING THE IMPACT OF THE 2020 DATA PRIVACY ACT AND CYBERSECURITY BY THE COLLEGE OF COMPUTER STUDIES-MASTER OF INFORMATION TECHNOLOGY FOR THE EMPLOYEES OF THE WIRELESS ACCESS FOR HEALTH IN TARLAC CITY

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Extension Services Management Office^{1,2}

The Wireless Access for Health (WAH) is a non-government organization which is tasked to manage the public health data. The WAH requested experts from the College of Computer Studies-Master of Information Technology to share their knowledge on data privacy and cybersecurity which is imperative for the WAH's function. The CCS-MIT had successfully delivered the request of WAH last October 2020. Hence, this study was conducted to further determine the impact of the transferred knowledge to the participants of the said extension intervention. The impact assessment employed contribution analysis and convergent parallel mixed methods to determine the contribution of the extension intervention to the partner-beneficiary. It used questionnaire which were sent via google form to know the impact of the activity to the ten (10) respondents. It is clear that the webinar had been beneficial to the beneficiaries since they have applied the knowledge learned from the webinar. Results shows that the participants have retained the knowledge on data privacy and cybersecurity and even organized/conducted a seminar to share the said knowledge to other people. The said activity received positive impact to the participants. In fact, there is a current engagement and extension intervention conducted by the CCS to the said WAH. This indicates that the partner-beneficiary is confident on the expertise of the CCS. Furthermore, in lieu of the above said findings, the impact assessors recommends that this impact study would also serve as an input to the CCS-MIT experts to conduct follow-up interventions, allocate more time on delivering the topics, and offer other training method to address the problems identified in the training.

**A CASE STUDY ON THE IMPACTS OF THE TECHNICAL ASSISTANCE ON
DESIGN AND DEVELOPMENT OF LABEL AND PROMOTIONAL
MATERIALS FOR THE POTTER'S HAND PROCESSED FOODS OF THE FINE
ARTS PROGRAM OF COLLEGE OF ARCHITECTURE AND
FINE ARTS**

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This study identified the impacts of the technical assistance on the design and development of promotional materials extended by the Tarlac State University - College of Architecture and Fine Arts- Bachelor of Fine Arts to Potter's Hand Processed Foods, a micro food enterprise in the province of Tarlac. The case study was employed to determine the contribution of the extension intervention to the partner-beneficiary if such has made changes to the business. The firm has been using the product label and promotional materials for almost four (4) years. As a result, the product label and promotional materials has impacted the firms in terms of marketability, sales growth, and increase/retention in customers by almost 30%. The packaged designs and labels from technical assistance became one of the components that provide an advantage for the products to have an edge the global market. The output of the project boosts the confidence of the firm to present their product in various trade fairs locally and internationally. Moreover, IAs are hoping that this study would also serve as input to TSU -CAFA to continually provide technical assistance to the said firms and also provide expert assistance to other micro, small, medium enterprises (MSMEs). Results of this study revealed other possible interventions that can be addressed to other colleges with expertise on product and marketing on social media, and product pricing.

EVALUATION OF THE PURA BASKETBALL AND VOLLEYBALL CLINIC FOR THE CHILDREN AND YOUTH BY THE BACHELOR OF PHYSICAL EDUCATION: INPUTS TO CONTINUAL IMPROVEMENT OF DELIVERY OF EXTENSION SERVICES IMPROVEMENT OF DELIVERY OF EXTENSION SERVICES

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"The children are the hope of our nation." because they have the power to reshape the nation, however, educating them and instilling them with values and guidance is imperative to prevent them from becoming juvenile delinquents. It is for these reasons that the extension activity titled "Pura Basketball and Volleyball Clinic" was conducted for the children and youth the children at risk (CAR), children in conflict with the law (CICL), out-of-school youth (OSY), and persons with disability (PWD). This activity served as a stepping ground to guide them to become team players in the mentioned sports. Hence, this evaluation was conducted to determine if the activity was able to achieve its objectives. The study employed a quantitative research method using a one-shot evaluation design and used Wilcoxon Signed Rank Test (WRT) to determine the significant effect on the attainment of the knowledge learned by the participants. Findings revealed that the participants have acquired substantial knowledge in the training. The result of the WRT showed that the training has a significant impact on the achievement of participants' knowledge. The four (4) indicators of the training methodology, namely, resource speakers, objectives and learning content, learning tools, and efficiency and effectiveness, got a very satisfactory rating. The main factors in achieving the activity's purposes are the support of LGU-Pura and the expertise of the CPTED-BPE. Furthermore, based on the findings, it is recommended that the CTED-BPE conduct a follow-up intervention for their participants and create a long-term and regular extension program that would introduce the value of sports for the children and youth, specifically those who are who have been affected by the pandemic.

LITERACY IN FILIPINO LANGUAGE AND GENDER EQUITY FOR THE ASOSASYON NG MGA KATUTUBONG MAHAWANG (AKMA) IN CAPAS, TARLAC: AN EVALUATION

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College of Public Administration and Governance¹

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This study aimed to evaluate the extension activity titled Literacy in Filipino Language and Gender Equity for the Asosasyon ng mga Katutubong Mahawang (AKMA) in Capas, Tarlac conducted by the College of Teacher Education -Master of Arts in Education Major in Filipino (CTED-MAED-Filipino). The study aimed to evaluate the extension activity in terms of learning the participants and training methodology and recommended strategies to sustain the extension intervention to the beneficiaries and the communities. The study employed a quantitative research method using a one-shot evaluation design and used Wilcoxon Signed Rank Test (WRT) to determine the significant effect on the attainment of the knowledge learned by the participants. Findings revealed that the participants have acquired limited knowledge in the training. The result of the WRT showed that the training has a significant effect on the attainment of participants' knowledge. Furthermore, the four indicators, objectives and learning content, learning tools, resources speaker, and effectiveness and efficiency, were rated as excellent by the beneficiaries. The ESPs extended their effort and shared their knowledge and expertise to assist and educate the IPs regarding literacy and gender equality. The ESPs made sure that everyone was engaged in the discussion, and everyone had time to clarify and ask questions to understand further the topics discussed. Furthermore, in place of the above findings, it is recommended that the MAED-Filipino may conduct other IP interventions and create a sustainable extension program to help the IPs and other sectors.

**EVALUATION OF THE 2018 KNOWLEDGE TRANSFER ON
ENHANCING QUALITY PRESCHOOL KINDERGARTEN EDUCATION THROUGH
GOOD CLASSROOM MANAGEMENT STRATEGIES AND USE OF MUSIC AND
MOVEMENT BY THE MASTER OF ARTS IN EDUCATION MAJOR IN
PRESCHOOL EDUCATION**

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Extension Services Management Office^{1,2}

This study evaluated the extension activity provided by the TSU-College of Teacher Education- Master of Education major in Preschool to the Kindergarten Teachers of DepEd-Tarlac. The study employed a quantitative research method using a one-shot evaluation design and used Wilcoxon Signed Rank Test (WRT) to determine the significant effect on the attainment of the knowledge learned by the participants. Findings revealed that the participants have acquired substantial knowledge in the training. The result of the WRT showed that the training has a significant effect on the attainment of participants' knowledge. In addition, results showed that the four (4) indicators of the training methodology, namely, resource speakers, objectives and learning content, learning tools, and efficiency and effectiveness, got an excellent rating. Because of this, the preschool teachers have adapted new strategies and techniques in good classroom management and its value at the preschool level. They have also learned the importance of music and movement to better engaged their student in class activities. Furthermore, it is highly suggested that the MAED-Pre-school allocate additional time to conduct extension activities for the teachers, engage learners to participate in the discussion actively, and create a more sustainable extension program that would benefit the preschool teachers.

2017 SCHOOL-BASED FEEDING PROGRAM SERVICES TO THE PUPILS OF TRINIDAD ELEMENTARY SCHOOL: AN EVALUATION OF ITS SERVICE DELIVERY AND IMPACT ON BENEFICIARIES

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Malnutrition remains one of the underlying effects of delayed childhood development. If left untreated, it poses a serious risk to the child. The Department of Education (DepEd) issued a Department Memorandum Order No. 39, series of 2017, to eradicate malnutrition in children enrolled in public schools. However, the funds are not enough to address the rising cases of undernourished pupils. To assist the public schools, through the extension services of the Tarlac State University, the School-based Feeding Program was implemented by the College of Education-MAED Physical Science to the identified thirty-eight (38) wasted and severely wasted pupils in Trinidad Elementary School (TES). Hence, this study aimed to assess the impact of the mentioned program to determine if the said project has impacted the pupils' health and nutrition. This employed a qualitative design to analyze the secondary data available. The study also used paired sample t-test to determine the significant difference in the body mass index (BMI) before and during the 90th day of the intervention. Findings revealed that the cases of wasted and severely wasted pupils during the 90th day of implementation decreased to 82% (31 out of 38 pupils). Although their academic performance has not improved at that time, most of them have already graduated from elementary school. Findings also revealed that the extension intervention partnered with various institutions to share financial and technical assistance for the project completion. The study suggests that the school-based be replicated in the other schools needing help. Furthermore, creating sustainable and impactful extension projects is also highly encouraged.

EVALUATION OF THE WEBINAR ON DEVELOPING READING AND LITERATURE LESSONS ON GENDER SENSITIVITY BY THE COLLEGE OF TEACHER EDUCATION MAED - ENGLISH

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Mark Christian T. Agustin²**

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One of the critical parts of a continuous improvement of projects and activities conducted in a community is evaluating and assessing its impact. This extension intervention titled “Webinar on Developing Reading and Literature Lessons on Gender Sensitivity” to the teachers in Sepung Calzada Elementary School was undertaken by the College of Teacher Education- Master of Arts in Educations Major in English (CTED-MAED -English) to empower the teachers to design gender sensitivity lessons and apply the lessons to real-life situations. The study employed a quantitative research method using a one-shot evaluation design and used Wilcoxon Signed Rank Test (WRT) to determine the significant effect on the attainment of the knowledge learned by the participants. Findings revealed that the participants have acquired highly substantial knowledge in the training. The result of the WRT showed that the training has a significant effect on the attainment of participants' knowledge. Furthermore, the four indicators, which are the objectives and learning content, learning tools, resources speaker, and effectiveness and efficiency, were rated as "Excellent" by the beneficiaries. This shows that providers could deliver the services to the teacher successfully. The training empowered the teachers to adopt new strategies and techniques to disseminate the desirable attitude based on mutual respect and trust between girls and boys. They have also created gender-responsive lessons and discussions based on the specific needs of girls and boys. Teachers were able to formulate strategies to deliver the lesson/ literature relating to gender sensitivity. Based on the findings above, the researchers recommended that the CTED-MAED-English may conduct follow-up interventions such as coaching and mentoring sessions and a review of the developed reading materials to identify further if the beneficiaries applied the knowledge learned from the training. In addition, replicating the same initiative and creating sustainable and impactful extension projects are also recommended.

ELECTRICITY CONSERVATION THROUGH SOLAR PANEL TOWARDS PROVIDING AND ASSISTING LOVE AND CARE FOR THE DISADVANTAGED CHILDREN: A CASE STUDY

Vien Jamaica D. Samson¹ and Kichelle B. Soliman²

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Extension Services Management Office^{1,2}

This study identified the impacts of the technical assistance on the design and installation of solar panels as alternative sources of energy extended by the Tarlac State University – College of Engineering and Technology – Bachelor of Science in Electronics Engineering and Master of Science in Electrical Engineering into Rehoboth Children’s Home Inc (RCHI), an orphanage and a non-government organization (NGO) in the Province of Tarlac. With the end in mind of assisting this organization towards providing and promoting the wholesome development of Filipino disadvantaged children, youth, and families. Furthermore, the study determined the impact of the interventions to the RCHI. Hence, this study employed a qualitative design particularly a case study and contribution analysis to determine the contribution of the extension intervention to the partner-beneficiary has made to change or set of changes. An interview with the director of Rehoboth supplemented with documentary analysis was done to collect all necessary data or information for the study. Findings revealed that the technical assistance was able to contribute to their electricity savings and network expansion. For almost three years, RCHI has been utilizing solar panels. As a result, the current saving of RCHI on its electric bill ranges from Php1,500 and Php2,000 per month. Apart from this, the technical assistance served as an instrument for the orphanage in expanding its network. The extension service providers (ESPs) were able to link them to other organizations that provide similar services. Moreover, based on the findings, there were identified opportunities for improvement. It is recommended to conduct a forum for NGOs, conduct an extension intervention to address the other needs of the organization, and create a long-term extension program that would benefit the NGOs and other communities while also encouraging collaboration among other key stakeholders.

A CASE STUDY ON THE IMPACTS OF THE TECHNICAL CONSULTANCY ON THE ELECTRICAL SYSTEM TO THE MECHANIZED AND MODERNIZED FOREST NURSERY (MMFN) OF THE PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES (PENRO)

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This case study was conducted to determine if the extension project has benefitted the MMFN since the said facility encountered a problem in the electrical system that created setbacks for its activity. The technical consultancy on the electrical system of the Mechanized and Modernized Forest Nursery was conducted by the TSU– Master of Science in Electrical Engineering (MSEE), Bachelor of Science in Electronics Engineering (BSECE), and Bachelor of Science in Electrical Engineering (BSEE) in 2019. This study employed a qualitative design, particularly a case study and contribution analysis, to determine the extension intervention's contribution to the partner beneficiary. A purposive sampling was used in the study because the primary beneficiary of the said extension activity is the PENRO. The study gathered data from interviews and documents submitted to the Extension Services Management Office (ESMO). Findings revealed that the assistance had aided the PENRO's MMFN in terms of a stable and functional electrical system, increased the production of forest seedlings ready for dispersal to the provinces in Region III and saved their budget since they no longer need to hire and pay private consultants to assess and evaluate MMFN's electrical system. The success of the assistance also paved the way for MMFN's possible expansion to other sites. Based on the mentioned findings, a follow-up intervention to MMFN, and collaboration with other colleges such as the College of Science-Environmental Science in creating long-term and sustainable extension projects are highly encouraged. Furthermore, the study envisions that its findings would serve as an input to TSU-CET to continually provide and improve their extension services to the PENRO and other beneficiaries who need the same assistance.

**AN EVALUATION OF THE TECHNICAL ASSISTANCE ON THE CREATION OF AN
ADVERTISING CAMPAIGN PLAN FOR THE SOAP'PI SOAP BY THE BUSINESS
AND ACCOUNTANCY – DOCTOR OF BUSINESS
ADMINISTRATION, MASTER OF BUSINESS ADMINISTRATION, AND
MARKETING MANAGEMENT**

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The study evaluated the technical assistance in creating the business advertising campaign plan for the Soap'pi Soap. The extension service was implemented by the Tarlac State University (TSU) – College of Business and Accountancy (CBA) – Doctors of Business Administration, Masters of Business Administration, and Marketing Management. A purposive sampling was employed since the beneficiaries of the said intervention is the Soap'pi Soap owner and it employed a mixed-method design and used a one-shot evaluation design to evaluate the owner's learning and the training methodology. Findings revealed that the firm owner had acquired substantial knowledge of the intervention. The four (4) indicators of the training methodology, namely, resource speakers, objectives and learning content, learning tools, and efficiency and effectiveness, got an excellent rating. Findings revealed that the main factors in achieving the activity's purpose are the support and expertise of the faculty experts. Aside from this, the technical assistance contributed to the immediate success of the Soap'pi Soap because the firm received various awards because of its extensive social media advertisement. As a result, the firms also received positive reviews on the official Facebook page. Findings suggests that the CBA may conduct a follow-up intervention to Soap'pi Soap, replicate the same initiative for other MSMEs, and create of long-term extension intervention for the MSMEs is highly recommended.

TOWARDS FOOD SAFETY SYSTEM CERTIFICATION AND PROCESS AND PRODUCT IMPROVEMENT: AN EVALUATION

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Tarlac State University (TSU), through its expert faculty from the College of Science - Bachelor of Science in Food Technology (COS-BSFT), conducted several extension services on selected Food Business Operators (FBOs) in Region III to fill in the gaps and meet the demands of FBOs in terms of food safety system certifications and process and product improvement. Hence, this study was carried out to determine the impact of extension activities. A mixed method design specifically a convergent parallel mixed methods research design was employed in this study. The researchers gathered and analyzed information or data through interviews, survey questions, and documentary analysis. Results showed that the FBOs' processes and products improved since they now had a better understanding of their processes and procedures, which lead them to improve the quality of their products. Their understanding and awareness of food safety system certifications were also enhanced. The beneficiaries learned about the procedure and the factors to consider when applying for system certification. In addition, fifteen (15) FBOs have gained accreditation for their food safety systems. Three (3) of them have already renewed their certificates, while seven (7) firms' applications for system certification are now being processed. In the meanwhile, twelve (12) FBOs have yet to obtain food safety system certification. Based on the findings, the COS-CSFT may collaborate with the FBOs to accept "On the Job Trainees," perform a face-to-face follow-up extension intervention, establish a testing hub center for FBOs, and continue to implement impactful and sustainable projects for FBOs.

DOCUMENTATION OF THE IMPACT OF THE SOCIO-ECOLOGICAL IMPACT ASSESSMENT (SEIA) OF THE BS ENVIRONMENTAL SCIENCE AND AB PSYCHOLOGY PROGRAM

Jericho V. Taroy and Lureza M. Pastor
Extension Services Management Office

Tarlac State University (TSU), through its expert faculty from the College of Science - Bachelor of Science in Food Technology (COS-BSFT), conducted several extension services on selected Food Business Operators (FBOs) in Region III to fill in the gaps and meet the demands of FBOs in terms of food safety system certifications and process and product improvement. Hence, this study was carried out to determine the impact of extension activities. A mixed method design specifically a convergent parallel mixed methods research design was employed in this study. The researchers gathered and analyzed information or data through interviews, survey questions, and documentary analysis. Results showed that the FBOs' processes and products improved since they now had a better understanding of their processes and procedures, which lead them to improve the quality of their products. Their understanding and awareness of food safety system certifications were also enhanced. The beneficiaries learned about the procedure and the factors to consider when applying for system certification. In addition, fifteen (15) FBOs have gained accreditation for their food safety systems. Three (3) of them have already renewed their certificates, while seven (7) firms' applications for system certification are now being processed. In the meanwhile, twelve (12) FBOs have yet to obtain food safety system certification. Based on the findings, the COS-CSFT may collaborate with the FBOs to accept "On the Job Trainees," perform a face-to-face follow-up extension intervention, establish a testing hub center for FBOs, and continue to implement impactful and sustainable projects for FBOs.

**CASE STUDY ON THE TECHNICAL CONSULTANCY SERVICES OF THE
BACHELOR OF SCIENCE IN CIVIL ENGINEERING PROGRAM:
PREPARATION OF MASTER DRAINAGE PLAN OF BRGY. BALBALATO,
VICTORIA TARLAC, PHASE III**

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The primary purpose of this paper is to narrate the contribution of the extension intervention entitled "Technical Consultancy on the Preparation of Master Drainage Plan" conducted by the College of Engineering and Technology Master of Civil Engineering (CET-MS CE) in mitigating the floods in Barangay Balbalato, Victoria Tarlac. The said activity aimed to assist the LGU of Victoria in creating its Master Drainage Plan to limit the devastating impacts of floods and improve the safety of its residents. This study employed a qualitative design, particularly a case study and contribution analysis, to determine the extension intervention's contribution to the partner beneficiary. Purposive sampling was used in the study because the primary beneficiary of the said extension activity is the Municipality of Victoria, particularly Barangay Balbalato. The study gathered data from interviews and documents submitted to the Extension Services Management Office (ESMO). Findings revealed that the output of the extension intervention, the Master Drainage Plan, has indeed contributed to the planning and decision-making of the Barangay Balbalato Development Council. The said council approved the plan and allotted a budget worth one hundred fifty thousand pesos (Php150,000) or equivalent to the 50 percent for the construction of the drainage system in 2020. The approved plan was implemented last May 2021. In addition, the project also benefitted the residents, particularly the residents of Purok Maligaya, as it provides waterways that will prevent stagnant water in a specific area. Findings suggested that the TSU-CET MS CE may continue to assist other areas and adjacent areas in creating a master drainage plan. This also provides an opportunity to collaborate with other colleges in preparing long-term projects to help the Municipality of Victoria in terms of skills, health, and livelihood of the residents and the tourism industry of the Municipality.



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Printed by
Tarlac State University
Business and Auxiliary Services Office
Business Center - Printshop