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SDG's UPI 2023 thematic KKN journey in Garawangi village: Devotion, collaboration, and Memories

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ABSTRACT

The SDG's UPI 2023 Thematic KKN Program in Garawangi Village aims to provide direct benefits for students in developing skills and practical experience while positively impacting the local community. Through teaching activities in elementary schools, students' understanding of lesson concepts increases. Jamboree activities, health education, and competitions provide village communities with additional knowledge, experience, and a spirit of collaboration. With active student participation and cooperation with village heads, this program has created a mutually beneficial learning environment, positively contributing to sustainable development in Garawangi Village. This service program has succeeded in positively impacting and significantly contributing to society. By increasing community participation in activities supporting SDG achievement, students are actively involved in teaching at elementary schools, jamboree activities, health education, and organizing competitions in RW 05 Garawangi Village. Students and village communities benefit from this program, creating a mutually beneficial and synergistic learning environment between academics and village government.

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ABSTRAK

Tujuan dari Program KKN Tematik SDG's UPI 2023 di Desa Garawangi untuk memberikan manfaat langsung bagi mahasiswa dalam pengembangan keterampilan dan pengalaman praktis, sementara juga membawa dampak positif bagi masyarakat setempat. Melalui kegiatan pengajaran di Sekolah Dasar, terjadi peningkatan pemahaman siswa terhadap konsep-konsep pelajaran. Kegiatan jamboree, penyuluhan kesehatan, dan lomba memberikan masyarakat desa pengetahuan tambahan, pengalaman, dan semangat kolaborasi. Dengan melibatkan partisipasi aktif mahasiswa dan kerjasama dengan kepala desa, program ini berhasil menciptakan lingkungan belajar yang saling menguntungkan, memberikan kontribusi positif bagi pembangunan berkelanjutan di Desa Garawangi. Program pengabdian ini berhasil memberikan dampak positif dan kontribusi signifikan bagi masyarakat. Dengan peningkatan partisipasi masyarakat dalam kegiatan-kegiatan yang mendukung pencapaian SDG's, mahasiswa terlibat aktif dalam mengajar di Sekolah Dasar, kegiatan jamboree, penyuluhan kesehatan, dan mengorganisir lomba di RW 05 Desa Garawangi. Mahasiswa dan masyarakat desa sama-sama mendapatkan manfaat dari program ini, menciptakan lingkungan belajar yang saling menguntungkan dan sinergis antara akademisi dan pemerintah desa.

Kata Kunci: KKN; KKN Tematik SDG's UPI; SDGs

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INTRODUCTION

Education plays a vital role in the development of society by enhancing the overall quality of life within a nation. It serves as a medium to guide, educate, and shape the mindset of the Indonesian people so they can grow into knowledgeable, disciplined, moral individuals with a strong dedication to realizing the ideals of national struggle (Sujana, 2019). The level of progress in a country heavily depends on the quality of its human resources, which are influenced by public participation in education and the availability of adequate infrastructure and facilities. Currently, the dynamics of Indonesian society, in terms of education, face four primary challenges: lack of multicultural awareness, unclear interpretation of regional autonomy, low levels of creativity and productivity, and limited moral and legal consciousness (Sodik, 2020).

In the face of today's globally challenging era, the KKN Tematik, with a Sustainable Development Goals (SDGs) theme, provided by Universitas Pendidikan Indonesia (UPI), offers a strong foundation for community engagement (Nazlaliyah et al., 2023). The *KKN Tematik SDGs UPI 2023* program represents a concrete commitment from the university to connect higher education with sustainable development. The SDGs, which encompass various aspects such as poverty alleviation, quality education, and environmental sustainability, are applied within KKN activities to create long-lasting positive impacts on communities (Taufiq et al., 2021; Warliyah et al., 2023). *Kuliah Kerja Nyata* (KKN) is one form of community service conducted by university students as part of the academic curriculum. This program provides students with the opportunity to contribute to community development by applying the knowledge and skills they have acquired during their studies (Syardiansah, 2019).

The SDG thematic foundation is especially critical in the context of KKN as it ensures that community service activities do not merely provide short-term benefits, but are also sustainable and impactful in the long run. By integrating SDG principles into KKN, the program is expected to make a significant contribution to achieving the Sustainable Development Goals. Implementing the SDGs can foster positive change in various sectors, including education, health, the environment, and the economy (Rashed & Shah, 2021; Shulla et al., 2021). Therefore, understanding and applying these principles becomes essential, in line with global efforts to achieve sustainable development for the future.

The community serves as the primary focus of this *KKN* implementation, offering a valuable opportunity for students to make a positive contribution to the villages to which they are assigned. Therefore, students are expected to contribute positively by raising public awareness of environmental cleanliness, teaching proper waste disposal practices, and other initiatives that foster community consciousness. The implementation of *Kuliah Kerja Nyata* (KKN) plays a significant role in shaping students—particularly those in the field of education—to develop their teaching skills and ability to impart knowledge to the community (Prabawati et al., 2023). The goal is to equip each *KKN* group member with the opportunity to gain expertise as a professional teacher or educator, build strong social interaction skills, and cultivate a deep sense of empathy to assist the local community (Laia & Zai, 2020).

Garawangi Village, located in Majalengka Regency, served as the site for student community service (*KKN*) activities. This village has witnessed various development efforts initiated by both the government and local residents. However, challenges remain in areas such as education, healthcare, and community welfare. Therefore, this *KKN* program was designed to make a tangible contribution to improving the quality of life for the people of Garawangi, while also supporting the achievement of the Sustainable Development Goals (SDGs). The primary objective of the *KKN Tematik SDGs UPI 2023* program was to create sustainable and positive change. This includes empowering the local community, improving access to education, and promoting environmental preservation. These goals not only align with the core principles of the SDGs but also aim to foster self-reliance and uphold local culture at the community level

(Oktaviani & Indrawati, 2023; Wikantiyoso et al., 2021). Through strong collaboration between UPI and the people of Garawangi, the program aspires to realize inclusive and sustainable development.

The planned collaboration for implementing the *KKN Tematik SDGs UPI 2023* program in Garawangi Village is a crucial factor in ensuring the program's sustainability and success. This cooperation involves the local community, regional government, and various relevant stakeholders. By engaging students from the planning stage to the implementation phase, it is expected that new synergies will emerge between local needs and potentials, leveraging the knowledge and resources brought by the students (Laksana, 2013). The collaboration plan includes the formation of a joint working team, effective communication mechanisms, and clear agreements on the roles and responsibilities of each party. All involved stakeholders must be empowered to become genuine partners in this learning and service process (Laia, 2022).

Through the programs conducted during *KKN*, contributions are expected to be made toward achieving the *SDG* targets related to community welfare, education, health, decent work, and environmental sustainability, providing a clear picture of the positive impact created. The *KKN* experience leaves unforgettable memories for the participating students—memories that go beyond academic records, fostering empathy, a sense of responsibility, and active engagement in creating positive societal change. Therefore, the journey of the *KKN Tematik SDGs UPI 2023* program in Garawangi Village reflects the spirit of service, collaboration, and memorable experiences that underpin every step taken by UPI students in realizing sustainable development at the local level.

Literature Review

Kuliah Kerja Nyata (KKN)

Kuliah Kerja Nyata (KKN) is a higher education curriculum activity that integrates the *Tridharma Perguruan Tinggi*—education, research, and community service. Its primary objective is to provide students with experiential learning and to develop their social awareness through scientific service, teaching, and community interaction (Nasucha et al., 2021). This program is conducted off-campus over a specific period, following established procedures and requirements. As a tangible contribution of students to rural communities, *KKN* is designed to empower society, guided by academic supervisors. Students are encouraged to utilize their knowledge, analyze community conditions, and provide solutions to various social, economic, health, educational, and political issues in accordance with their academic disciplines (Aliyyah, 2018; Ramdani et al., 2021).

KKN aims to develop students' academic, social, and leadership skills. It offers direct experience in applying the knowledge and skills gained during university studies to real-world settings (Fandatiar, 2015). The program is also designed to help students understand and address the social challenges faced by communities, including poverty, education, and health issues. Additionally, *KKN* fosters a spirit of mutual cooperation (*gotong royong*) and social responsibility (Kholish, 2023). Overall, *KKN* provides students with practical experiences that not only enhance their competencies but also make meaningful contributions to societal development.

Village Development and the SDGs

The goal of Sustainable Development Goals (SDGs) at the village level is to ensure that all aspects of development are inclusive and benefit every member of the community, *leaving no one behind*. This is achieved by maximizing the village's potential in a holistic manner—socially, economically, and environmentally—to promote community welfare. The Village SDGs framework outlines 18 typologies that

cover all aspects of a prosperous life (Adhiyatama et al., 2023). The Indonesian nation aspires to deliver equitable prosperity and justice. In line with this aspiration, the government is committed to encouraging people to improve their quality of life by adhering to the principles of sustainable development. At the core of sustainable development is the awareness of how social and economic actions impact the environment (Karpan et al., 2020; Uralovich et al., 2023). Hence, every social and economic activity must consider its environmental implications to ensure the ecosystem remains functional for present and future generations.

Empowering communities through SDG-focused development fosters equitable growth in rural areas. This is achieved through concrete actions in managing and utilizing natural resources and the environment, enabling communities to build resilient, fair, and quality economies. This approach aligns with one of the seven development agendas outlined in the presidential vision and the 2020–2024 National Medium-Term Development Plan (RPJMN). The government emphasizes that sustainable development must begin at the village level, recognizing villages as the backbone of the economy and the foundation of economic resilience. Therefore, village development should aim toward sustainable growth as envisioned in the Village SDGs (Mutmainna et al., 2023; Saputra et al., 2021). According to Regulation of the Minister of Villages, Development of Disadvantaged Regions, and Transmigration of the Republic of Indonesia No. 21 of 2020, SDG Desa refers to an integrated effort in village development aimed at accelerating the achievement of the Sustainable Development Goals.

In alignment with this, the *Kuliah Kerja Nyata* (KKN) program can serve as a significant agent of change in achieving the SDGs at the village level. Through KKN, students can participate directly in the integrated development of villages, contributing their knowledge and skills in support of sustainable development goals (Prabawati et al., 2023). KKN activities can focus on areas such as education, health, local economy, and the environment, each aligned with the principles of the Village SDGs. Thus, KKN not only offers students the opportunity to apply academic knowledge in real-world settings but also acts as a driving force in advancing sustainable village development as mandated by national policy.

METHODS

This community service initiative was carried out through the following steps, 1) *KKN Tematik SDG's UPI 2023* program in Garawangi Village began with the selection of the village based on agreements with the university, followed by planning and coordination through preparatory meetings with the village government; 2) data collection was conducted over a one-month period through various activities, including participatory observation, interviews, and document analysis. This service aimed to explore the outcomes of these activities, the interactions with the village community, and to identify patterns and contributions relevant to achieving the SDGs. Documentation was carefully maintained through photography, recordings, and field notes to ensure the accuracy and integrity of the data. This method enabled a thorough analysis of the real impacts and the role of students in supporting sustainable development in Garawangi Village, serving as a successful example of collaboration between the university and the community in achieving the SDGs at the local level.

RESULTS AND DISCUSSION

Students documented their experiences during the *KKN Tematik SDGs UPI 2023* program in Garawangi Village. These results encompass various activities conducted by the community service team throughout their one-month stay in the village. One significant outcome was the increased participation of local residents in activities that support the achievement of the SDGs.



Figure 1. Assisting in Elementary School Teaching
Source: Author's Documentation, 2023

The activity documented in **Figure 1** provided diverse benefits for both the participating students and the elementary school pupils who received teaching assistance. For the students, this experience allowed for the development of communication, leadership, and problem-solving skills through direct interaction with the children (Wardani, 2023). Meanwhile, for the elementary students, the assistance provided one-on-one support that enhanced their understanding of lessons, offered additional motivation, and fostered a positive connection with education.

Through these educational efforts with the elementary students, the community service team successfully raised their awareness of both environmental and educational issues. This was reflected in increased student participation in school-based environmental programs. By employing an intensive and engaging approach, the team successfully established strong relationships with the students, thereby facilitating the introduction and delivery of educational content. The students' enthusiasm stemmed from their genuine thirst for knowledge, making the educational process effective in emphasizing the importance of education, especially in an increasingly competitive modern era where strong mental capacity and academic skills are essential for global competitiveness.



Figure 2. Participating in Jamboree Activities
Source: Author's Documentation, 2023

Students also played an active role in implementing the jamboree activities (see **Figure 2**), including logistical preparation, agenda planning, and field execution. They helped ensure the jamboree ran smoothly and delivered maximum benefits to the participants. The community service team also served as facilitators and mentors, especially in educational and character-building sessions. They provided guidance, motivation, and shared knowledge on scouting values, environmental awareness, and life skills. Through these interactions, the team contributed to shaping the character of the jamboree participants and offering positive inspiration.

The team's role also extended to increasing community participation in the jamboree. Students collaborated with local residents to promote, support, and involve the broader community in the event's organization. This fostered a sense of togetherness and mutual support between the students and residents, thereby strengthening the relationship between the university and the village and contributing to long-term, sustainable development in Garawangi.

The jamboree held substantial benefits for individual development, especially among youth and scouts. It served as a unique platform to build leadership skills, teamwork, and a sense of responsibility. Through various activities, including camping, training, and games, participants were able to enhance their survival skills, develop outdoor competencies, and reinforce the values of solidarity ([Budiarti et al., 2022](#)).



Figure 3. Health Counseling at the Village Hall
Source: Author's Documentation, 2023

Additionally, university students provided health education to village residents, aiming to enhance their understanding of the importance of health and hygiene (see **Figure 3**). This was reflected in the increased number of visits to the available health facilities in the village. During the health education sessions, the community service team collaborated with the village midwife of Garawangi to deliver educational messages, particularly targeting parents—especially mothers—on the importance of proper nutrition for toddlers.

The focus of the health education was to raise awareness about the appropriate levels of salt in toddler meals. A live demonstration was carried out for the mothers, allowing them to observe firsthand the results of simple testing methods that showed color changes indicating healthy and unhealthy salt content in toddler food. Health education conducted at the village hall yielded significant benefits, increasing public awareness of relevant health issues (Nutbeam & Lloyd *et al.*, 2021; Taufikurrahman *et al.*, 2023). Through these sessions, information about healthy living habits, disease prevention, and access to healthcare services was delivered directly to the community. These sessions also provided opportunities for residents to ask questions, engage in discussions, and gain a deeper understanding of preventive healthcare and proper treatment (Yusmawati & Permana, 2019).

Health education at the village hall played a crucial role in raising awareness of key public health concerns. It enabled residents to receive direct information on healthy lifestyles, disease prevention, and healthcare services (Hartaty & Menga *et al.*, 2022), while also offering space for interactive discussion and community engagement (Yusmawati & Permana, 2019).



Figure 4. Competition Activities in RW 05, Garawangi Village
Source: Author's Documentation, 2023

Figure 4 illustrates the community service team's contribution to the planning and execution of local competitions, including the design of event agendas, the determination of assessment criteria, and the coordination with relevant stakeholders. The team served as facilitators and competition mentors, giving guidance to participants, explaining rules, and ensuring the event ran smoothly according to plan. Their presence also served as a source of inspiration and motivation for participants to engage actively in the competition.

Additionally, the community service team documented key moments of the competition through photos and videos, which could later serve as memorabilia for the participants and the broader community. This helped enhance the positive image of the event and provided encouragement to the participants. The competitions held in RW 05 of Garawangi Village brought significant benefits to community development and strengthened social bonds among residents. Such events not only offered entertainment and healthy competition but also served as platforms for fostering solidarity and collaboration among local citizens. Moreover, they helped uncover and develop community talents and potentials, fostering a sense of togetherness and strengthening the residents' sense of belonging to their living environment.



Figure 5. Collaboration with the Village Head and Administrative Staff of Garawangi Village
Source: Author's Documentation, 2023

Before the program's implementation, the UPI KKN team actively communicated with local residents through public meetings held as part of their work plans, as documented in Figure 5. This KKN program had the potential to improve, expand, and solidify collaborations with institutions, communities, and other departments through the groundwork laid by student initiatives. The collaboration between the community service team and the village head and staff of Garawangi Village provided significant benefits in the effort to improve community development and well-being. The involvement of the service team opened up opportunities for the village to gain new ideas, innovative thinking, and practical contributions in designing development programs that matched local needs and potential (Kastowo et al., 2022). Furthermore, the team contributed to accelerating the implementation of village policies and programs by acting as active agents of change in the field. This collaboration strengthened the synergy between academia and local governance, created a mutually beneficial learning environment, and encouraged active community participation in the village development process.

Discussion

The community service activities conducted through the *KKN Tematik SDG's UPI 2023* program in Garawangi Village successfully made substantial contributions and had a positive impact on the local community. One of the most significant outcomes was the increased community participation in activities aligned with achieving the SDGs. Students were actively involved in various initiatives, such as assisting with primary school teaching, participating in jamboree events, delivering health education, organizing competitions in RW 05 of Garawangi Village, and fostering collaborations with the village head and local government staff.

These activities not only benefited the students by enhancing their practical skills and providing field experience, but also offered tangible benefits to the community. The teaching activities at the primary school led to improved student comprehension of academic subjects. Meanwhile, the jamboree, health education, and local competitions enriched community knowledge and experience and encouraged a collaborative spirit. The active collaboration with village leadership fostered a synergistic relationship between students and local government, establishing a mutually beneficial learning environment. Thus,

the *KKN Tematik SDG's UPI 2023* program successfully contributed to sustainable development by generating positive outcomes for both students and the residents of Garawangi Village.

CONCLUSION

The *KKN Tematik SDG's UPI 2023* program in Garawangi Village succeeded in delivering significant contributions and positive impacts on the community. The increased participation of residents in SDG-oriented activities demonstrates the program's effectiveness. Through teaching, jamboree involvement, health education, and organizing community competitions, students not only developed practical skills and competencies but also positively influenced the local society. Active collaboration with the village head fostered a synergistic relationship, supporting a productive and mutually enriching learning environment. Overall, the program made meaningful contributions to sustainable development by benefiting both students and the people of Garawangi Village.

AUTHOR'S NOTE

The author declares no conflict of interest related to the publication of this article. The author also affirms that all data and content presented in this article are free from plagiarism.

REFERENCES

- Adhiyatama, A., Dewi, F., & Gumilang, S. F. S. (2023). Arsitektur enterprise Sistem Pemerintahan Berbasis Elektronik (SPBE) sebagai strategi pengembangan smart village pada dimensi governance (administration service). *Kesatria: Jurnal Penerapan Sistem Informasi (Komputer dan Manajemen)*, 4(4), 1052-1068.
- Aliyyah, R. R., Fauziah, S. P., & Asiyah, N. (2018). Peningkatan cinta lingkungan dan pemberdayaan masyarakat pedesaan melalui program pengabdian masyarakat. *Qardhul Hasan: Media Pengabdian Kepada Masyarakat*, 3(1), 46-60.
- Budiarti, I. N., Wahyuni, R. S., Imelda, D. Q., & Soimah, N. (2022). Tim building dan leadership melalui jambore kader PKK: Tingkat Kabupaten Bulungan di Pulau Derawan. *Jurnal Inovasi Pengabdian Masyarakat*, 1(2), 32-38.
- Fandatiar, G., Supriyono, S., & Nugraha, F. (2015). Rancang bangun sistem informasi Kuliah Kerja Nyata (KKN) pada Universitas Muria Kudus. *Simetris: Jurnal Teknik Mesin, Elektro dan Ilmu Komputer*, 6(1), 129-136.
- Hartaty, H., & Menga, M. K. (2022). Pemberdayaan masyarakat melalui penyuluhan perilaku hidup bersih dan sehat untuk meningkatkan derajat kesehatan masyarakat. *Abdimas Polsaka*, 1(1), 16-21.
- Karpan, I., Chernikova, N., Motuz, T., Bratanich, B., & Lysokolenko, T. (2020). Conceptual principles of education for sustainable development. *European Journal of Sustainable Development*, 9(2), 99-99.
- Kastowo, C., Drajad, H., Sianipar, S., Tio, A., Santoso, T. Y. E., Fathoni, I., ... & Istiawan, D. (2022). Pemberdayaan masyarakat melalui desa wisata berbasis pertanian. *Jurnal Atma Inovasia*, 2(3), 244-250.

- Kholish, A., Jawahir, A. S., Putri, E. H., Lativa, F., & Nazhifah, S. N. (2023). Pemberdayaan masyarakat melalui gotong royong: Peran mahasiswa dalam program KKN di Teluk Kabung Tengah. *Manaruko: Jurnal Pengabdian Masyarakat*, 2(2), 73-79.
- Laia, B. (2022). Sosialisasi dampak kegiatan kuliah kerja nyata di desa (studi: Desa Sirofi). *Haga: Jurnal Pengabdian Kepada Masyarakat*, 1(2), 74-84.
- Laia, B., & Zai, E. P. (2020). Motivasi dan budaya berbahasa Inggris masyarakat daerah tujuan wisata terhadap perkembangan bahasa anak di tingkat SLTA (Studi kasus: Desa Lagundri-Desa Sorake-Desa Bawomataluo). *Jurnal Education and Development*, 8(4), 602-602.
- Laksana, N. S. (2013). Bentuk-bentuk partisipasi masyarakat desa dalam program desa siaga di Desa Bandung, Kecamatan Playen, Kabupaten Gunung Kidul, Provinsi Daerah Istimewa Yogyakarta. *Jurnal kebijakan dan Manajemen Publik*, 1(1), 56-66.
- Mutmainna, M., Mar'ah, K., & Sadli, L. E. (2023). Strategy for utilizing village fund budget to alleviate poverty towards village SDGs in Taeng Village Gowa Regency. *International Journal of Social Service and Research*, 3(4), 975-982.
- Nasucha, Y., Sutopo, A., Ahmad, A., Fatmawati, F., Astuti, T. I., & Mrihatini, A. (2021). Penguatan generasi cerdas dan berkarakter bagi masyarakat Tangen, Sragen. *Buletin KKN Pendidikan*, 3(1), 63-73.
- Nazlaliyah, I. S., Fauziah, N. R., Syachfitri, L., Fitri, A. L. N., & Williyanto, S. (2023). Bakti sosial khitanan massal dan santunan sebagai program kerja KKN UPI di Desa Pakuwon. *Abdimas Galuh*, 5(2), 1743-1749.
- Nutbeam, D., & Lloyd, J. E. (2021). Understanding and responding to health literacy as a social determinant of health. *Annual Review of Public Health*, 42(1), 159-73.
- Oktaviani, F., & Indrawati, S. S. (2023). Menghidupkan kembali taman baca masyarakat Lentera Buni: Read aloud di Desa Bunigeulis. *Saniskala: Jurnal Pengabdian Masyarakat*, 1(2), 45-48.
- Prabawati, I., Riyanto, Y., Hariyati, N., Indrasetianingsih, A., & Ladiqi, S. (2023). Implementation of learning curriculum in integrated independent campus learning program case study on KKNT village project. *International Journal of Learning, Teaching and Educational Research*, 22(3), 470-490.
- Ramdani, A., Jufri, A. W., Gunawan, G., Fahrurrozi, M., & Yustiqvar, M. (2021). Analysis of students' critical thinking skills in terms of gender using science teaching materials based on the 5E learning cycle integrated with local wisdom. *Jurnal Pendidikan IPA Indonesia*, 10(2), 187-199.
- Rashed, A. H., & Shah, A. (2021). The role of private sector in the implementation of sustainable development goals. *Environment, Development and Sustainability*, 23(3), 2931-2948.
- Saputra, K. A. K., Atmadja, A. T., Koswara, M. K., & Tama, G. M. (2021). Examining the role of village funds in village Sustainable Development Goals (SDGs). *Southeast Asia Journal of Contemporary Business. Economics and Law*, 24(6), 45-51.
- Shulla, K., Voigt, B. F., Cibian, S., Scandone, G., Martinez, E., Nelkovski, F., & Salehi, P. (2021). Effects of COVID-19 on the Sustainable Development Goals (SDGs). *Discover Sustainability*, 2, 1-19.
- Sodik, F. (2020). Pendidikan toleransi dan relevansinya dengan dinamika sosial masyarakat Indonesia. *Tsamratul Fikri*, 14(1), 1-14.
- Sujana, I. W. C. (2019). Fungsi dan tujuan pendidikan Indonesia. *Adi Widya: Jurnal Pendidikan Dasar*, 4(1), 29.

- Syardiansah, S. (2019). Peranan kuliah kerja nyata sebagai bagian dari pengembangan kompetensi mahasiswa: Studi kasus mahasiswa Universitas Samudra KKN Tahun 2017. *JIM UPB (Jurnal Ilmiah Manajemen Universitas Putera Batam)*, 7(1), 57-68.
- Taufikurrahman, T., Zulfi, A. N., Irmawati, E. F. F., Setiawan, W. P., Azizah, P. N., & Soeliono, F. F. (2023). Sosialisasi pernikahan usia dini dan edukasi kesehatan reproduksi remaja sebagai upaya pencegahan stunting di Desa Pabean, Kabupaten Probolinggo. *Scientia: Jurnal Hasil Penelitian*, 8(1), 73-88.
- Taufiq, I., Nisa, L. C., Zuhri, M. K., Safitri, R. M., Sessiani, L. A., & Makmun, M. (2021). Eco-spiritualism on social empowerment: Indigenous approach toward environment sustainability. *Journal of Sustainability Perspectives*, 1, 302-309.
- Uralovich, K. S., Toshmamatovich, T. U., Kubayevich, K. F., Sapaev, I. B., Saylaubaevna, S. S., Beknazarova, Z. F., & Khurramov, A. (2023). A primary factor in sustainable development and environmental sustainability is environmental education. *Caspian Journal of Environmental Sciences*, 21(4), 965-975.
- Wardani, D. A. W. (2023). Problem based learning: Membuka peluang kolaborasi dan pengembangan skill siswa. *Jawa Dwipa*, 4(1), 1-17.
- Warliyah, H., Permanasari, A., Rachman, I., & Matsumoto, T. (2023). Low carbon e-book on climate change with education for sustainable development framework for sustainability literacy of 7th grader. *JUPI (Jurnal IPA dan Pembelajaran IPA)*, 7(4), 317-334.
- Wikantiyoso, R., Cahyaningsih, D. S., Sulaksono, A. G., Widayati, S., Poerwoningsih, D., & Triyosoputri, E. (2021). Development of sustainable community-based tourism in Kampong Grangsil, Jambangan Village, Dampit District, Malang Regency. *International Review for Spatial Planning and Sustainable Development*, 9(1), 64-77.
- Yusmawati, Y., & Permana, R. (2019). Peran pemerintah melalui dinas kesehatan Kabupaten Sumbawa Barat dalam menyosialisasikan bahaya merkuri bagi kesehatan di Kecamatan Brang Rea. *Jurnal Trias Politika*, 3(2), 118-138.