



# Implementation of scouting techniques material on first aid for accidents in scouts of Gudep Bumi Bahari

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ARTICLE INFO	ABSTRACT
<p><b>Article history</b>            Received: 2023-11-12            Revised: 2024-01-16            Accepted: 2024-01-20            Published: 2024-01-27</p> <p><b>Keywords</b>            First Aid            Penggalang's Scout            Scouting Techniques</p>	<p><i>Scouting is one of the activities of forming discipline, morals, character, and mental development with a learning process outside the school environment and outside the family environment which is packaged in an interesting and fun way carried out in the open air. There are two kinds of scout learning material, namely knowledge learning and scouting techniques. In scouting activities there are several scouting techniques that are often used for example camping, exploration, terrain orientation, and mountain climbing. Therefore, it is necessary to implement the scouting technique of scout first aid material for scouts through a Community Service program that is integrated with lecture activities at the project location to implement the scouting technique of scout first aid material for scouts in Gudep Bumi Bahari so that scouts in Gudep Bumi Bahari can know and apply every step in performing first aid in accidents during scouting activities. The purpose of this service is to increase the knowledge and skills of the first aid of the Cub Scouts, because the knowledge of first aid in the accident of the Cub Scouts of Gudep Bumi Bahari is still lacking. The method used in this community service is lecture-based coaching, practice and educational games, interviews are conducted as a final evaluation. The service program carried out with the project implementation team can be carried out according to targets such as increasing the understanding and skills of Scouts related to first aid material at Gudep Bumi Bumi Bahari in SD Negeri Pulias Abaling.</i></p>
<p><b>Kata Kunci</b>            P3K            Pramuka Penggalang            Teknik Kepramukaan</p>	<p><b>Penerapan materi teknik pramuka pada pertolongan pertama pada kecelakaan pada pramuka Gudep Bumi Bahari.</b> Pramuka adalah salah satu kegiatan pembentukan kedisiplinan, akhlak, watak, dan pembinaan mental dengan proses pembelajaran di luar lingkungan sekolah dan di luar lingkungan keluarga yang dikemas secara menarik dan menyenangkan yang dilakukan di alam terbuka. Materi pembelajaran pramuka terdapat dua macam, yaitu pembelajaran pengetahuan dan teknik kepramukaan. Dalam kegiatan pramuka ada beberapa teknik kepramukaan yang sering digunakan sebagai contoh perkemahan, penjelajahan, orientasi medan, dan mendaki gunung. Oleh karenanya diperlukan implementasi teknik kepramukaan materi pertolongan pertama pramuka pada penggalang melalui program Pengabdian kepada Masyarakat yang terintegrasi dengan kegiatan perkuliahan di lokasi proyek untuk mengimplementasikan teknik kepramukaan materi pertolongan pertama pramuka penggalang di Gudep Bumi Bahari agar pramuka penggalang di Gudep Bumi Bahari dapat mengetahui dan menerapkan setiap langkah dalam melakukan pertolongan pertama pada kecelakaan saat kegiatan kepramukaan. Tujuan pengabdian ini untuk meningkatkan pengetahuan dan keterampilan pertolongan pertama pramuka penggalang, karena pengetahuan terhadap pertolongan pertama pada kecelakaan pramuka penggalang Gudep Bumi Bahari masih kurang. Metode pengabdian yang digunakan adalah pembinaan berbasis ceramah, praktik dan permainan edukasi, wawancara dilakukan sebagai evaluasi akhir. Program pengabdian yang dilaksanakan bersama tim pelaksana proyek dapat terlaksana sesuai target seperti meningkatnya pemahaman dan keterampilan Pramuka Penggalang terkait materi pertolongan pertama pada Gudep Bumi Bumi Bahari SD Negeri Pulias Abaling.</p>

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## INTRODUCTION

Scouting is one of the extracurricular activities that help children develop their talents, interests and character. This is due to the diverse activities in Scouting that can help the younger generation in shaping traits such as patriotism, communicative behavior, discipline, honesty, independence, responsibility, hard work, social spirit, and many more (A. Kurniawan et al., 2021). The Scout Movement is a non-formal education organization that has an important role in the education of Indonesia's younger generation, and is certainly faced with various challenges (Yang et al., 2020). One of the main challenges is how Scouting seeks to drive positive change (Freeman, 1958; Meduri et al., 2018). Scouting also acts as an additional component in education, both formal and informal, by contributing to the formation of future generations and delivering valuable moral messages. Since the implementation of Curriculum 2013, Scouting has become one of the compulsory extracurricular activities in schools, and this is supported by a clear legal basis through the Law governing the Scout Movement (Erliani, 2017).

In the Scouting program, learning materials can be divided into two categories, namely knowledge learning materials and technical learning materials. The Scout knowledge learning material includes an understanding of the concept, history, purpose, and function of Scouting. Meanwhile, the Scout technical learning materials include the mastery of basic skills that are an integral part of Scouting, such as skills in tying ropes, using codes, marching discipline, and the implementation of First Aid in Accidents (Zeng et al., 2020; De Buck et al., 2015; R. Kurniawan et al., 2021; Wyckoff et al., 2023).

First aid in accidents at the Cub Scout level is one of the important materials to learn and master (Djävrv et al., 2022; Adib-Hajbaghery & Kamrava, 2019; Asadi-Pooya et al., 2022; Adal & Abebe, 2022). This is due to the possibility of emergency situations or accidents occurring in their environment (Gete et al., 2022; Diango et al., 2022; Diango et al., 2023; Slingers et al., 2022; Oktafiani Sigarlaki; et al., 2023). Therefore, community service often involves the topic of implementing scouting techniques in first aid materials for Cub Scouts.

Through this connection, the implementation of first aid scouting techniques not only provides direct benefits in improving skills, but also contributes to the achievement of sustainable development goals at large. In the context of the implementation of scouting techniques on First Aid for Accidents among the Cub Scouts at Gudep Bumi Bahari, there is a close relationship with several points of the Sustainable Development Goals (SDGs). (1) Health and Wellbeing. Accident First Aid Training among Cub Scouts not only improves skills in providing first aid but also contributes to the general improvement of health and well-being of the community. (2) Quality Education. The implementation of scouting techniques provides a practical approach in the delivery of First Aid in Accidents material, increasing students' understanding and skills, in this case the scouts, in line with efforts to achieve quality education. (3) Sustainable Cities and Settlements. The emphasis on Accident First Aid training among Cub Scouts has the potential to improve community preparedness in dealing with accidents in urban environments, supporting the goal of sustainable urban and residential development. (4) Partnership for a Common Goal. The collaboration between the Cub Scouts and relevant stakeholders, such as schools and the community at large is a clear example of partnership to achieve a common goal of improving community safety and well-being (Sachs et al., 2019).

Gudep Bumi Bahari is one of the Gudep in SD Negeri Pulias Abaling school where extracurricular scouting is mandatory. The school is a school that will be visited to find out whether scouting techniques for first aid material in accidents have been given or not. However, when making observations in the field, namely at Gudep Bumi Bahari, the base of SD Negeri Pulias Abaling, it was found that most of the scouts there did not understand or even know first aid skills at all. Therefore, community service is carried out related to first aid material to provide scouts with education that will be useful for the scouts themselves including the wider community (Ilham & Amal, 2023; Pei et al., 2019; Reavley et al., 2021; Wattimena et al., 2022).

The reason for this community service is because there are many scouts in Gudep Bumi Bahari who do not know the application of first aid in accidents. Therefore, the community service participants, in this case the scouts, are given education and guidance so that the knowledge received can be implemented into the participants themselves and can be shared with friends and the community. Because scouts are tough children, versatile children and children who must be skilled, especially in terms of first aid in accidents. In this regard, this service has the main focus of providing knowledge and skills on how to provide first aid in emergency situations or accidents with a step-by-step guide on how to evaluate the victim's condition and provide appropriate first aid measures.

There have been many devotions about scouts, for example, such as the devotion of Ade Sabrina et al, who discuss extracurricular scout activities in instilling student character at SDN 26 Mataram in the 2020/2021 school year (Sabrina et al., 2022), Iswandi et al's dedication which discusses the development of scouting in improving national insight in the Territorial Front Force Dr.H. Abdul Ahmad PGRI Padang (Iswandi et al., 2022), Likewise, in community service conducted by Yatni Widayanti, which discusses the implementation of extracurricular scouting activities in improving student discipline (Widayanti et al., 2023), also the development of teaching materials for scout training at the elementary school level (Ds et al., 2022) and the dedication of Risalul Ummah et al, which discusses the application of the character of independence through scouting activities in class IV MI case study at MI Nadlatul Ulama Sumokali (Majid & Ummah,

2022). While the service that the team did was the implementation of scouting techniques for first aid material for Cub Scouts in Gudep Bumi Bahari, the material discussed was first aid material for accidents in Cub Scouts.

Based on the compulsory extracurricular guidelines for Scouting Education in primary schools in 2018 in accordance with the 2013 Curriculum and also in the implementation of the current Merdeka Belajar Curriculum, there are also several significant changes (Astari, 2022; Hamna & BK, 2023; Trisiana et al., 2023). The changes include: (1) In graduate competencies, there is an increase and balance between soft skills and hard skills, including competencies in attitudes, skills and knowledge at both primary and secondary school levels. (2) There is a change in the position of subjects, where competencies previously integrated into subjects are now developed through broader competencies. (3) The learning approach has also changed with the development of an integrated thematic approach that is applied in all subjects, especially at the primary school level.

As mentioned above, this service activity was carried out because the initial observation found the fact that Scouting activities at Gudep Bumi Bahari base SD Negeri Pulias Abaling were rarely carried out, even when scouting activities were carried out, they only focused on discussing scouting material such as marching rules, rigging, ciphers, and scout history. Learning and coaching related to First Aid in Accidents has never been taught to the Cub Scouts at Gudep Bumi Bahari, this skill is very important for Cub Scouts because mastery of First Aid in Accidents skills can minimize the impact of accidents so that they do not become severe. The importance of mastering First Aid in Accidents for Cub Scouts is also shown by the rules that require this skill as one of the ten special skill requirements that must be possessed by a Scout.

Another problem found is the unavailability of health organizations or extracurricular activities such as PMR at SD Negeri Pulias Abaling, so that student resources are underutilized in handling accidents at school. Departing from these findings, this service was carried out to foster and train scouts in Gudep Bumi Bahari so that from this service it is hoped that the availability of scouts who are proficient in the field of First Aid in Accidents.

Scouting Education and the 2013 Curriculum go hand in hand in the implementation of education (Purwasih & Sahnan, 2022). This is stipulated by Permendikbud No. 63/2014, which makes Scouting Education a compulsory extracurricular activity from primary to secondary education in the implementation of Curriculum 2013 (Maruti et al., 2023; Megananda et al., 2023). In this service, we will dive deeper into the Community Service Program carried out by lecturers and students of the Pendidikan Guru Sekolah Dasar Study Program from Universitas Madako Tolitoli which carries the topic of community service projects integrated with the Scouting Course, namely: "Implementation of Scouting Techniques in the First Aid Material of Cub Scouts Gudep Bumi Bahari." This service will review the methods of program implementation, the benefits for students and the community, as well as expectations for the results that can be obtained through this program. In addition, this service will also explore the relevance of a scouting education approach oriented towards the realization of the Sustainable Development Goals (SDGs) in the context of the community development agenda.

## METHOD

The target in this community service activity is the scouts in the Abaling Hamlet area, Pulias Village, Ogodeide District, which is located at the SD Negeri Pulias Abaling, namely Gudep Bumi Bahari (Figure 1). The reason for the service in the area is due to the lack of coaching in First Aid skills in Accidents, therefore it is necessary to provide knowledge and skills to the scouts because the scouts in Gudep Bumi Bahari do not know the material of first aid in accidents, especially in the field of scouting. The method of implementing the service is carried out by lecture-based coaching on the presentation of first aid material followed by practice based on educational simulation games, stretcher making training and interviews as an evaluation.

This community service activity was carried out from September to the end of October 2023. Community service observation activities were carried out at Gudep Bumi Bahari on September 20, 2023 with the presence of 42 participants who were dominated by students of SD Negeri Pulias Abaling. Meanwhile, the first phase of community service activities was carried out on September 30, 2023 starting at 14.00 WITA. The number of participants was 10 participants who participated in the provision of material and practice of First Aid phase I. The second phase of service was carried out on October 21, 2023 at 2 pm WITA. With 23 participants who participated in the practice of making stretchers and interview sampling. Gudep Bumi Bahari members were given material first about first aid in accidents, how the stages and procedures in performing first aid in accidents such as minor fractures, fainting, wounds, shortness of breath and other injuries. Furthermore, the members of Gudep Bumi Bahari were invited to practice how to help accidents in fractures, fainting, shortness of breath, wounds and other injuries step by step. After practicing, the members of Gudep Bumi Bahari were interviewed about how the first aid material in accidents for themselves and whether they understood and understood the stages of first aid in accidents. The steps used are in Figure 2.



Figure 1. Location Map of Gudep Bumi Bahari in SD Negeri Pulias Abaling

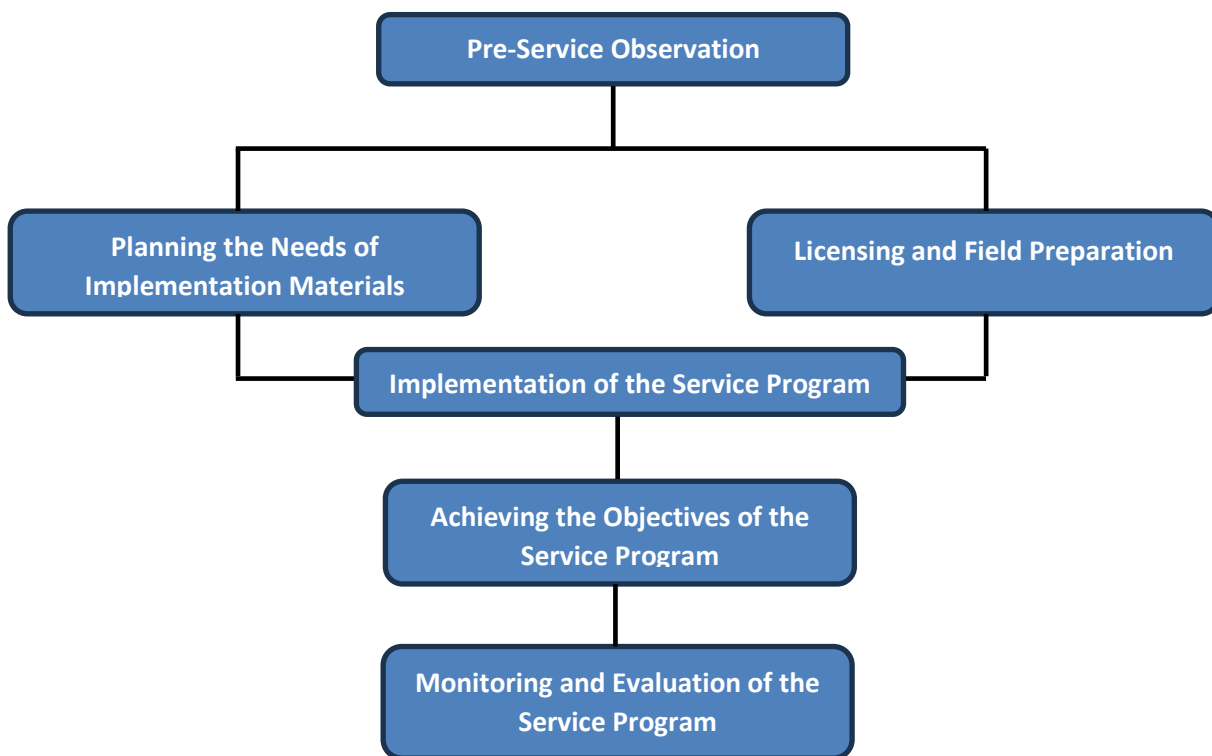


Figure 2. Flow of Project Implementation

## RESULTS AND DISCUSSION

First aid is the act of providing temporary assistance and treatment that is practical and appropriate (Anjarwati et al. 2022; Ojha et al. 2020; Gumbie et al., 2018). The main goal is not just to provide treatment, but also to prevent and protect victims from more serious consequences (Nadila et al., 2023; Stibies et al., 2023). While First Aid in Accidents is an initial action that has a crucial role in efforts to save lives, and help victims to recover better and faster (Alika K et al., 2023; Muttaqien & Awiria, 2022; Rosuliana et al., 2023). In the Scout Movement, especially in the scout group, there are many materials or skills that are taught and trained, including First Aid Accident training. In the independent curriculum, every school is required to include the Scout Movement as a compulsory extracurricular activity as stated in

Peremendikbud No. 62 Pasal 3 Tahun 2014 concerning types of extracurricular activities which states that mandatory activities are organized by the Education Unit and must be followed by all students and the activities are in the form of scouting education (Nuh, 2014).

First aid training in a Scout environment is a material or skill that must be learned (Elnagar et al., 2023; Ficarella et al., 2022; Ampry et al., 2022). Even First Aid in Accidents skills are one of the Special Proficiency Requirements that must be possessed. Scout members are often involved in outdoor activities or out-of-school activities such as camping, going on adventures, hiking, and so on. Therefore, having Accident First Aid skills is very important for every Scout member. In the Cub Scout First Aid training, the material includes an understanding of the signs and symptoms of injury, proper first aid measures, as well as the use of simple medical equipment such as bandages, eucalyptus oil, wound medicine, dressings, and other supplies (Zou et al., 2022; Eweida et al., 2023; Lam et al., 2017; Adu & Cendana, 2022).

Community service observation activities were carried out at Gudup Bumi Bahari on September 20, 2023 starting at 10:00 WITA. The number of participants was 42 participants. Meanwhile, the first community service activity was carried out on September 30, 2023 starting at 14.00 WITA. The number of participants was 10 participants who participated in the provision of material and practice of First Aid phase I (Figure 3). The second phase of service was carried out on October 21, 2023 at 14.00 WITA. With 23 participants who participated in the practice of making stretchers and interview sampling (Figure 4).



Figure 3. Cub Scouts of Bumi Bahari Gudup (Subject of Community Service)



Figure 4. The practice of making a stretcher for first aid in accidents

Community service activities include initial observations, material provision as well as phase I and phase II practices. The initial observation was carried out by observing and introducing the Cub Scouts, Coaches and Mabigus. Furthermore, in stage I, namely providing material as well as practicing first aid. The material presented included broken bones, fainting and bleeding. Phase II is to practice making a stretcher using two scout sticks and two ropes that are connected using a twin knot, when making a stretcher using a base knot and anchor knot, then sampling through the interview method to evaluate or measure the extent of understanding of the scout participants. In addition to interviews with Cub Scouts, interviews were also conducted with Boy Scout Leaders to find out the extent to which the provision of First Aid material in the extracurricular Cub Scout Movement at Gudep Bumi Bahari.

The delivery of material by the resource person was carried out after observation activities, using the lecture method (material and practice) and the interview method. During the delivery of the material by the resource person, the participants were very enthusiastic about the material presented. After the presentation of the material, it was continued with the practice of first aid material. The practices carried out are how to handle broken bones, handle people who faint and treat victims who have bleeding wounds.

The results of community service activities in this case carried out on the Cub Scouts increased the participants' knowledge regarding how to handle fractures, fainting and treatment of victims who have bleeding wounds (Bjørk et al., 2022). This is evident when playing the patient pick-up game, participants can practice how to handle patients with broken bones, fainting and bleeding wounds. This kind of game can improve character values, one of which is the character value of social care (Sari et al., 2023; Barokah & Kamal, 2023; Khoeriyah & Kamal, 2023; Alves et al., 2023; Bjørshol et al., 2023; Øvstebø et al., 2023).

The patient pick-up game is carried out by dividing the participants into two groups, the patient group and the medical personnel group (Figure 5). The medical group acts as medical personnel who will perform first aid treatment on the patient group, the patient group will carry a card containing three kinds of accidents that have been taught. This game is also to assess the extent to which participants understand the material that has been taught and as a practical material after theory.



Figure 5. Game Interlude in Accident First Aid Practice

The entire series of scouting service activities received support from the Gudep so that the activities could be carried out well and smoothly. However, this activity is less than optimal due to the lack of First Aid facilities at the school or Gudep. The tools used are only makeshift but the participants seem enthusiastic and can understand the material well. In phase II the team provided material related to the making of stretchers, the making of these stretchers was carried out by the team and also participants starting with the introduction of base, anchor and twin knots, then participants made stretchers according to the direction of the team. After the stretcher has been completed, a trial is carried out by lifting the participant who acts as a patient, from the results of the trial the stretcher is feasible and strong to support the patient.

The results of the interviews conducted found that participants had understood the material that had been provided, this could be shown during the evaluation interview, participants could explain well the first aid material that had been taught, participants could explain the meaning and examples of first aid. The participants' answers during the interview were; "First aid is an initial aid effort provided in emergency situations or minor accidents before professional assistance

arrives. It involves applying basic knowledge of simple medical actions to respond to injuries or health conditions that require immediate attention. For example, if a person sustains a minor injury, first aid measures may include cleaning the wound with clean water, applying an antiseptic, and covering it with a bandage or plaster. Also, in cases involving abdominal pain or discomfort, giving advice such as rest and drinking water is also a suitable form of first aid. Learning first aid is essential so that we can provide effective and timely assistance in emergency situations. By doing so, we can be a meaningful source of support for those around us when needed." Understanding first aid is very important, this is in line with relevant previous research, stating that first aid training in schools and front groups is very important considering the vulnerability of accidents both large and small such as bleeding in a school or camp environment (Nurul Huda, Ida Zuhroidah, Mukhammad Toha, 2021; Ariyanti et al., 2020)

In addition to being able to answer interview questions, participants can also implement what has been learned and trained, this can be proven by the participation of participants, in this case the scouts, in playing educational games, namely the patient pick-up game, participants can practice how to handle patients with broken bones, fainting, bleeding, and make stretchers. The application of educational games is proven to be able to improve material understanding because there is direct interaction and simulation related to the material that has been trained, this is in line with previous research which states that educational games are proven to be effective and interesting and able to increase student learning activities (Ariyani Raharjo et al., 2022).

While the final result of this community service activity is the availability of Scouts who are proficient in the field of First Aid in Accidents as stated in the Bylaws of the Scout Movement Chapter IV Scouting Education System article 19 concerning Proficiency Marks. In the Special Proficiency Requirements for Cub Scouts about First Aid Proficiency in accidents. So that participants can be at the forefront in terms of First Aid at school and in their gudep and also as helpers or partners of coaches and teachers in the health sector, especially first aid.

This service activity is also carried out as an effort to implement the SDGs for Health and Welfare, in this case training in First Aid in Accidents among Cub Scouts not only improves skills in providing first aid but also contributes to improving the health and welfare of society in general. Scout resources that are skilled in first aid can not only be applied in the gudep environment but also applied in the wider community as a health guard, empowering scouts in the field of microhealth has a huge impact on society, scouts can share their knowledge with fellow friends, family, and even the community. The implementation of first aid can also help support the development of resources in the health sector. As a follow-up after the first aid training, the team will conduct a post-training evaluation to ensure that participants are still consistent in implementing First Aid and continue to share their knowledge with their friends and the community in general.

As for what distinguishes the service activities that the team does from the scouting activities that are generally carried out at Gudep Bumi Bahari in SD Negeri Pulias Abaling, among others: (1) Service activities are carried out by combining the presentation of first aid material accompanied by simulation educational games that have not previously been applied in other scouting activities. (2) The role as the frontline in first aid, the final result of the service activity is to create Cub Scouts who are not only proficient in First Aid in Accidents but can also be the frontline in providing First Aid at school and in the Gudep environment. This shows a more active and responsive role of the Cub Scouts in accident or health emergency situations. (3) Post-training evaluation and knowledge dissemination, the follow-up of service activities includes post-training evaluation to ensure the consistency of participants in implementing First Aid. The Cub Scouts are expected to not only maintain and apply their knowledge within the scope of the front cluster but also act as agents of change by continuing to share the knowledge and skills of First Aid in Accidents to their friends and the community in general, so that it has a macro impact in the local community. This service activity not only focuses on developing special skills (SKK) in the field of scouting, but also emphasizes the active role of Cub Scouts in making a real contribution in the field of health and First Aid in the wider community which is one of the points of emphasis on the community development agenda based on the Sustainable Development Goals (SDGs).

## CONCLUSION

First aid in Cub Scouts covers many aspects such as broken bones, fainting and so on. First aid is one of the important aspects of Scouting, therefore every Scout is required to master these skills, even in the Scouting rules, the Special Proficiency Requirements for First Aid skills in Accidents are classified as mandatory special skill requirements to be mastered. This shows that P3 is important in Scouting where Scouts are active with outdoor activities such as exploring, camping and other activities which of course have the potential for accidents. Therefore, the team helps develop this skill in Cub Scouts, especially in Gudep Bumi Bahari as a form of community service in the education scope as an implementation of one of the Tridharma of Education which is expected to be of positive value and benefit to the community. The community service program that the team conducted was successful in increasing the understanding and skills of the Cub Scouts regarding first aid material. Based on the conclusions above, it is suggested that the provision

and improvement of facilities in the form of First Aid Accident equipment is needed so that First Aid activities can run better. The team also hopes that the Gudep can increase attention to first aid material.

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## REFERENCES

- Adal, O., & Abebe, A. (2022). First aid knowledge and practice toward students with epileptic seizure among governmental high school teachers in Addis Ababa, Ethiopia: Cross-sectional study. *Epilepsy and Behavior*, 134, 108767. <https://doi.org/10.1016/j.yebeh.2022.108767>
- Adib-Hajbaghery, M., & Kamrava, Z. (2019). Iranian teachers' knowledge about first aid in the school environment. *Chinese Journal of Traumatology - English Edition*, 22(4), 240–245. <https://doi.org/10.1016/j.cjtee.2019.02.003>
- Adu, S. S., & Cendana, W. (2022). Penerapan model think pair, and share berbasis alat peraga untuk meningkatkan kemampuan berpikir kritis siswa. *Madako Elementary School*, 1(2), 132–150. <https://doi.org/https://doi.org/10.56630/mes.v1i2.53>
- Alika K, H., Andriany, J., Oktavia, S., Agustina, R., Nursusanti, A., & Wahyuni, A. (2023). Meretas filsafat pendidikan materialisme-naturalisme dalam konteks pendidikan dasar. *Madako Elementary School*, 2(1), 48–61. <https://doi.org/https://doi.org/10.56630/mes.v2i1.60>
- Alves, D. M., Leite, I., Const, L., Cristina, K., Brunna, T., Pinheiro, M., Ribeiro, B., Vieira, D., Assis, R., & Dantas, N. (2023). First aid teaching for schoolchildren: Scoping review. *International Journal of Educational Research Open*, 5(November). <https://doi.org/10.1016/j.ijedro.2023.100305>
- Ampry, E. S., Arsiah, Fatwa, M. F., A.M, M. I., & Arifuddin. (2022). Supervisi kepala sekolah terhadap kinerja guru sekolah dasar. *Madako Elementary School*, 1(2), 176–186. <https://doi.org/https://doi.org/10.56630/mes.v1i2.58>
- Anjarwati, A., Kurniawati, A., Zamili, F., Diana, D. R. N., Suparni, S., & Putra, M. T. R. (2022). Sosialisasi P3K dan APD sebagai upaya untuk meningkatkan pengetahuan kesehatan di SDN Sukabumi 1 Probolinggo. *AMALIAH: Jurnal Pengabdian Kepada Masyarakat*, 6(1), 167–171.
- Ariyani Raharjo, A. S., Rufi'i, R., & Hartono, H. (2022). Penerapan media pembelajaran multimedia interaktif bermuatan game edukasi untuk meningkatkan aktivitas belajar. *JUPI (Jurnal Ilmiah Penelitian Dan Pembelajaran Informatika)*, 7(2), 441–452. <https://doi.org/10.29100/jupi.v7i2.2823>
- Ariyanti, R., Preharsini, I. A., & Sipolio, B. W. (2020). Edukasi kesehatan dalam upaya pencegahan dan pengendalian penyakit hipertensi pada lansia. *To Maega : Jurnal Pengabdian Masyarakat*, 3(2), 74. <https://doi.org/10.35914/tomaega.v3i2.369>
- Asadi-Pooya, A. A., Hosseini, S. A., Hashemizadeh Fard Haghghi, L., & Asadi-Pooya, H. (2022). Seizure first aid for people with epilepsy: opinions and knowledge of caregivers and healthcare professionals. *Seizure*, 102(September), 1–5. <https://doi.org/10.1016/j.seizure.2022.09.007>
- Astari, T. (2022). Buku teks dalam implementasi kurikulum merdeka di sekolah dasar. *Madako Elementary School*, 1(2), 163–175. <https://doi.org/https://doi.org/10.56630/mes.v1i2.56>
- Barokah, A. R., & Kamal, R. (2023). Implementasi sekolah adiwiyata terhadap pembentukan karakter kedisiplinan dan entrepreneurship siswa di MI Salafiyah Tanjung. *Madako Elementary School*, 2(2), 181–189. <https://doi.org/https://doi.org/10.56630/mes.v2i2.173>
- Bjørk, R. F., Bølstad, E., Pons, F., & Havighurst, S. S. (2022). Testing TIK (Tuning in to Kids) with TEC (Test of Emotion Comprehension): Does enhanced emotion socialization improve child emotion understanding? *Journal of Applied Developmental Psychology*, 78(November 2021). <https://doi.org/10.1016/j.appdev.2021.101368>
- Bjørshol, C. A., Øvstebø, A. M. M., Dyrnes, E., Reilstad, K. R., Thommassen, A. F., & Lindner, T. W. (2023). Saving lives and minds – The neglected part of first aid. *Resuscitation Plus*, 16, 100489. <https://doi.org/10.1016/j.resplu.2023.100489>
- De Buck, E., Van Remoortel, H., Dieltjens, T., Verstraeten, H., Clarysse, M., Moens, O., & Vandekerckhove, P. (2015). Evidence-based educational pathway for the integration of first aid training in school curricula. *Resuscitation*, 94, 8–22. <https://doi.org/10.1016/j.resuscitation.2015.06.008>
- Diango, K., Mafuta, E., Wallis, L. A., Cunningham, C., & Hodkinson, P. (2023). Implementation and evaluation of a pilot WHO community first aid responder training in Kinshasa, DR Congo: A mixed method study. *African Journal of Emergency Medicine*, 13(4), 258–264. <https://doi.org/10.1016/j.afjem.2023.09.001>
- Diango, K., Yangongo, J., Sistenich, V., Mafuta, E., & Wallis, L. (2022). Awareness, attitude and perceived knowledge regarding First Aid in Kinshasa, Democratic Republic of Congo: A cross-sectional household survey. *African Journal*



- of *Emergency Medicine*, 12(2), 135–140. <https://doi.org/10.1016/j.afjem.2022.03.001>
- Djärv, T., Douma, M., Palmieri, T., Meyran, D., Berry, D., Kloeck, D., Bendall, J., Morrison, L. J., Singletary, E. M., & Zideman, D. (2022). Duration of cooling with water for thermal burns as a first aid intervention: A systematic review. *Burns*, 48(2), 251–262. <https://doi.org/10.1016/j.burns.2021.10.007>
- Ds, F. F., Nursyamsi, & Permatasari, N. (2022). Pengembangan bahan ajar latihan pramuka pada tingkat penggalang di sekolah dasar. *REFLEKSI*, 11(1), 17–24. <https://p3i.my.id/index.php/refleksi/article/view/227>
- Elnagar, E., Pezzutto, S., Duplessis, B., Fontenaille, T., & Lemort, V. (2023). A comprehensive scouting of space cooling technologies in Europe: Key characteristics and development trends. *Renewable and Sustainable Energy Reviews*, 186(May). <https://doi.org/10.1016/j.rser.2023.113636>
- Erliani, S. (2017). Peran gerakan pramuka untuk membentuk karakter kepedulian sosial dan kemandirian (studi kasus di SDIT Ukhwah dan MIS An-nuriyyah 2 Banjarmasin). *Jurnal Ilmiah Pendidikan Guru Madrasah Ibtidaiyah*, VIII(1), 36–52.
- Eweida, R. S., Rashwan, Z. I., Khonji, L. M., Shalhoub, A. A. Bin, & Ibrahim, N. (2023). Psychological first aid intervention: rescue from psychological distress and improving the pre-licensure nursing students' resilience amidst COVID-19 crisis and beyond. *Scientific African*, 19. <https://doi.org/10.1016/j.sciaf.2022.e01472>
- Ficarella, E., Natalicchio, A., Spina, R., & Galantucci, L. M. (2022). Technological scouting of bi-material face masks: simulation of adherence using 3D Facial Norms. *Procedia CIRP*, 110(C), 261–266. <https://doi.org/10.1016/j.procir.2022.06.047>
- Freeman, A. B. (1958). Food Sanitation At the 1957 National Boy Scout Jamboree1. *Journal of Milk and Food Technology*, 21(2), 43–51. <https://doi.org/10.4315/0022-2747-21.2.43>
- Gete, B. C., Mitiku, T. D., Wudineh, B. A., & Endeshaw, A. S. (2022). Knowledge, attitude, and practice towards burn first aid and its associated factors among caregivers attending burn units in Addis Ababa, Ethiopia. A cross-sectional study. *Annals of Medicine and Surgery*, 81(May), 104402. <https://doi.org/10.1016/j.amsu.2022.104402>
- Gumbie, M., Parkinson, B., Bowman, R., Song, R., & Cutler, H. (2018). Cost-effectiveness of screening a 5 year old child for hearing loss using sound scouts compared with no screening: A decision model analysis. *Value in Health*, 21, S70. <https://doi.org/10.1016/j.jval.2018.07.532>
- Hamna, & BK, M. K. U. (2023). Model pembelajaran guided inquiry di era merdeka belajar: Efektivitas proyek sains IPA siswa di sekolah dasar. *Madako Elementary School*, 2(2), 121–136. <https://doi.org/https://doi.org/10.56630/mes.v2i2.209>
- Ilham, M., & Amal, A. (2023). Implementasi model project based learning berbasis teori belajar kolaboratif dalam pembelajaran konsep dasar IPA SD. *Madako Elementary School*, 2(2), 172–180. <https://doi.org/https://doi.org/10.56630/mes.v2i2.198>
- Iswandi, I., Alwizra, A., Budio, S., Lasman Azis, & Susanti, N. (2022). Pembinaan kepramukaan dalam meningkatkan wawasan kebangsaan di gugus depan teritorial Dr. H. Abdullah Ahmad PGAI Padang. *LOSARI: Jurnal Pengabdian Kepada Masyarakat*, 4(2), 82–85. <https://doi.org/10.53860/losari.v4i2.103>
- Khoeriyah, F., & Kamal, R. (2023). Implementasi evaluasi pembelajaran berbasis Student Led Conference ( SLC ) di sekolah dasar. *Madako Elementary School*, 2(2), 149–162. <https://doi.org/https://doi.org/10.56630/mes.v2i2.166>
- Kurniawan, A., Widiastui, N., & Aslamiyah, N. (2021). Peran kepala madrasah dalam mengembangkan ekstrakurikuler pramuka di Madrasah Aliyah Hidayatul Mubtadiin Sidoharjo Jati Agung Lampung Selatan tahun ajaran 2020/2021. *Ar Royhan: Jurnal Pemikiran Dan Hukum Islam*, 1(2), 1–12.
- Kurniawan, R., Razaq, A. G., & Poerbaningtyas, E. (2021). Perancangan board game sebagai media penunjang untuk meningkatkan minat kegiatan ekstrakurikuler pramuka penggalang siswa sekolah dasar. *Jurnal Desain*, 8(2), 132. <https://doi.org/10.30998/jd.v8i2.8166>
- Lam, N. N., Li, F., Tuan, C. A., & Huong, H. T. X. (2017). To evaluate first aid knowledge on burns management amongst high risk groups. *Burns Open*, 1(1), 29–32. <https://doi.org/10.1016/j.burnso.2017.04.001>
- Majid, M. N., & Ummah, R. (2022). Penerapan karakter kemandirian melalui kegiatan pramuka pada kelas iv mi: studi kasus di MI Nadlatul Ulama Sumokali. *Al Kayyis*, 5(01), 1–10. <https://doi.org/10.47759/kayyis.v5i01.282>
- Maruti, E. S., Hanuwati Anurilandhan Hidayat, & Daffa Adhiza Ilfani. (2023). Peran guru dan orang tua dalam pembelajaran daring di sekolah dasar. *Madako Elementary School*, 2(1), 100–109. <https://doi.org/10.56630/mes.v2i1.64>
- Meduri, C., Davidson, C., Lim, S., Nazif, T., Ricciardi, M., Rajagopal, V., Ailawadi, G., Vannan, M., Thomas, J., Fowler, D., Rich, S., Kodali, S. K., & Hahn, R. T. (2018). 30 day results of the scout i study in patients with severe tricuspid regurgitation (Tr). *Journal of the American College of Cardiology*, 71(11), A1004. [https://doi.org/10.1016/s0735-1097\(18\)31545-6](https://doi.org/10.1016/s0735-1097(18)31545-6)
- Megananda, N. P., Suyitno, & Anindya, D. (2023). Aktualisasi nilai adiwiyata pada konstelasi pembelajaran di sekolah dasar. *Madako Elementary School*, 2(2), 163–171. <https://doi.org/https://doi.org/10.56630/mes.v2i2.210>
- Muttaqien, N., & Awiria. (2022). Peningkatan kemampuan berbicara bahasa Inggris siswa Madrasah Ibtidaiyah melalui teknik pembelajaran picture and picture. *Jurnal Madako Elementary School*, 1(2), 68–77. <https://doi.org/https://doi.org/10.56630/mes.v1i2.47>

- Nadila, N., Widiastuti, S., & Fauzi, A. (2023). Pengembangan buku ajar ide pokok berbasis potensi lokal Pantai Tambakrejo : Model kooperatif scramble di SD. *Madako Elementary School*, 2(2), 110–120.  
<https://doi.org/https://doi.org/10.56630/mes.v2i2.207>
- Nuh, M. (2014). UU RI nomor 63 tahun 2014. *Permendikbud No 63 Tahun 2014*, 1–17.  
[https://jdih.surabaya.go.id/uploads/peraturan/perenteri\\_12.pdf](https://jdih.surabaya.go.id/uploads/peraturan/perenteri_12.pdf)
- Nurul Huda, Ida Zuhroidah, Mukhammad Toha, M. S. (2021). Pelatihan pertolongan pertama pada kecelakaan (P3K) Pada guru pembina dan anggota PMR. *Jurnal Kreativitas Pengabdian Kepada Masyarakat*, 4(2), 323–328.  
<https://doi.org/10.33024/jkpm.v4i2.3746>
- Ojha, V., Jagia, P., Seth, S., & Ganga, K. P. (2020). Diagnosis of cardiac amyloidosis based on temporal sequence of nulling on ti scout: A poor man's T1 map. *Journal of the American College of Cardiology*, 75(11), 1764.  
[https://doi.org/10.1016/s0735-1097\(20\)32391-3](https://doi.org/10.1016/s0735-1097(20)32391-3)
- Oktafiani Sigarlaki, Sobon, K., & Supit, P. H. (2023). Peningkatan keterampilan membaca pemahaman melalui metode SQ3R pada siswa kelas IV SD 2 Petir. *Madako Elementary School*, 2(1), 22–34.  
<https://doi.org/https://doi.org/10.56630/mes.v2i1.164>
- Øvstebø, A. M. M., Bjørshol, C. A., Grønlien, S., Lund, H., & Lindner, T. W. (2023). Symptoms of post-traumatic stress disorder among first aid providers. *Resuscitation Plus*, 14(4068). <https://doi.org/10.1016/j.resplu.2023.100373>
- Pei, L., Liang, F., Sun, S., Wang, H., & Dou, H. (2019). Nursing students' knowledge, willingness, and attitudes toward the first aid behavior as bystanders in traffic accident trauma: A cross-sectional survey. *International Journal of Nursing Sciences*, 6(1), 65–69. <https://doi.org/10.1016/j.ijnss.2018.11.003>
- Purwasih, W., & Sahnun, A. (2022). Peningkatan mutu lembaga pendidikan dasar melalui manajemen sarana dan prasarana. *Madako Elementary School*, 1(2), 99–117. <https://doi.org/https://doi.org/10.56630/mes.v1i2.51>
- Reavley, N. J., Morgan, A. J., Fischer, J. A., Kitchener, B. A., Bovopoulos, N., & Jorm, A. F. (2021). Longer-term effectiveness of eLearning and blended delivery of Mental Health First Aid training in the workplace: 2-Year follow-up of a randomised controlled trial. *Internet Interventions*, 25, 100434.  
<https://doi.org/10.1016/j.invent.2021.100434>
- Rosuliana, N. E., Febuanti, S., Mariani, D., & Cahyati, A. (2023). Optimalisasi peningkatan pengetahuan dan keterampilan anak sekolah dasar tentang pertolongan pertama pada kecelakaan (P3K) berbasis media audiovisual. *Abdimas Galuh*, 5(1), 585. <https://doi.org/10.25157/ag.v5i1.9933>
- Sabrina, A., Husniati, H., & Jiwandono, I. S. (2022). Peran kegiatan ekstrakurikuler pramuka dalam penanaman karakter siswa di SDN 26 Mataram tahun pelajaran 2020/2021. *Jurnal Ilmiah Mandala Education*, 8(1), 933–938.  
<https://doi.org/10.36312/jime.v8i1.2915>
- Sachs, J. D., Schmidt-Traub, G., Mazzucato, M., Messner, D., Nakicenovic, N., & Rockström, J. (2019). Six Transformations to achieve the sustainable development goals. *Nature Sustainability*, 2(9), 805–814.  
<https://doi.org/10.1038/s41893-019-0352-9>
- Sari, T. N., Hidayat, S., & Nuryadin, A. (2023). Pengembangan e-modul pertolongan pertama pada kecelakaan (P3K) bermuatan karakter peduli sosial untuk pramuka penggalang di SD. *Pendas: Jurnal Ilmiah Pendidikan Dasar*, 8(2), 5574–5587.
- Slingers, M., De Vos, S., & Sun, J. H. (2022). Ten years of the community-based emergency first aid responder (EFAR) system in the Western Cape of South Africa: What has happened, what has changed, and what has been learned. *African Journal of Emergency Medicine*, 12(4), 299–306. <https://doi.org/10.1016/j.afjem.2022.06.007>
- Stibies, J. M. A., Fitriani, A. A., & Yulianto, A. (2023). Analisis alat peraga terhadap motivasi belajar IPA kelas V SD Kristus Raja II Kota Sorong. *Madako Elementary School*, 2(2), 137–148.  
<https://doi.org/https://doi.org/10.56630/mes.v2i2.206>
- Trisiana, R., Munte, A., Betaubun, C. A., & Malau, R. (2023). Perlukah filsafat ber-lokalitas-naratif di sekolah dasar?: mbingkai sekat pengasuhan guru. *Madako Elementary School*, 2(1), 1–21.  
<https://doi.org/https://ojs.fkip.umada.ac.id/index.php/mes/article/view/171/42>
- Wattimena, S., Fatimah, W., Jusmawati, & Supardi, R. (2022). Hubungan pola asuh orang tua dan kebiasaan belajar terhadap prestasi siswa di sekolah dasar. *Madako Elementary School*, 1(2), 53–67.  
<https://doi.org/https://doi.org/10.56630/mes.v1i2.46>
- Widayanti, Y., Nurashiah, I., & Khaleda, I. (2023). Implementasi kegiatan ekstrakurikuler kepramukaan dalam meningkatkan kedisiplinan siswa. *Bina Gogik*, 10(2), 159–165.  
<https://doi.org/https://doi.org/10.61290/pgsd.v10i2.551>
- Wyckoff, M. H., Greif, R., Morley, P. T., Ng, K. C., Olasveengen, T. M., Singletary, E. M., Soar, J., Cheng, A., Drennan, I. R., Liley, H. G., Scholefield, B. R., Smyth, M. A., Welsford, M., Zideman, D. A., Acworth, J., Aickin, R., Andersen, L. W., Atkins, D., Berry, D. C., ... Zelop, C. M. (2023). 2022 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations: Summary From the Basic Life Support; Advanced Life Support; Pediatric Life Support; Neonatal Life Support; Education, I. *Pediatrics*, 151(2).  
<https://doi.org/10.1542/peds.2022-060463>
- Yang, M. Der, Boubin, J. G., Tsai, H. P., Tseng, H. H., Hsu, Y. C., & Stewart, C. C. (2020). Adaptive autonomous UAV

- scouting for rice lodging assessment using edge computing with deep learning EDANet. *Computers and Electronics in Agriculture*, 179, 105817. <https://doi.org/10.1016/j.compag.2020.105817>
- Zeng, L., Fan, S., Zhou, J., Yi, Q., Yang, G., Hua, W., Liu, H., & Huang, H. (2020). Undergraduate nursing students' participation in pre-hospital first aid practice with ambulances in China: A qualitative study. *Nurse Education Today*, 90(June 2019), 104459. <https://doi.org/10.1016/j.nedt.2020.104459>
- Zou, C. Y., Lei, X. X., Hu, J. J., Jiang, Y. L., Li, Q. J., Song, Y. T., Zhang, Q. Y., Li-Ling, J., & Xie, H. Q. (2022). Multi-crosslinking hydrogels with robust bio-adhesion and pro-coagulant activity for first-aid hemostasis and infected wound healing. *Bioactive Materials*, 16(December 2021), 388–402. <https://doi.org/10.1016/j.bioactmat.2022.02.034>