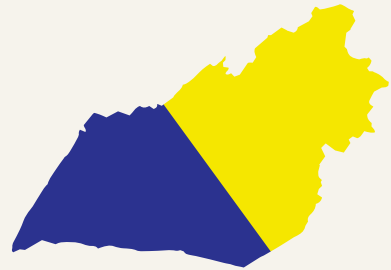




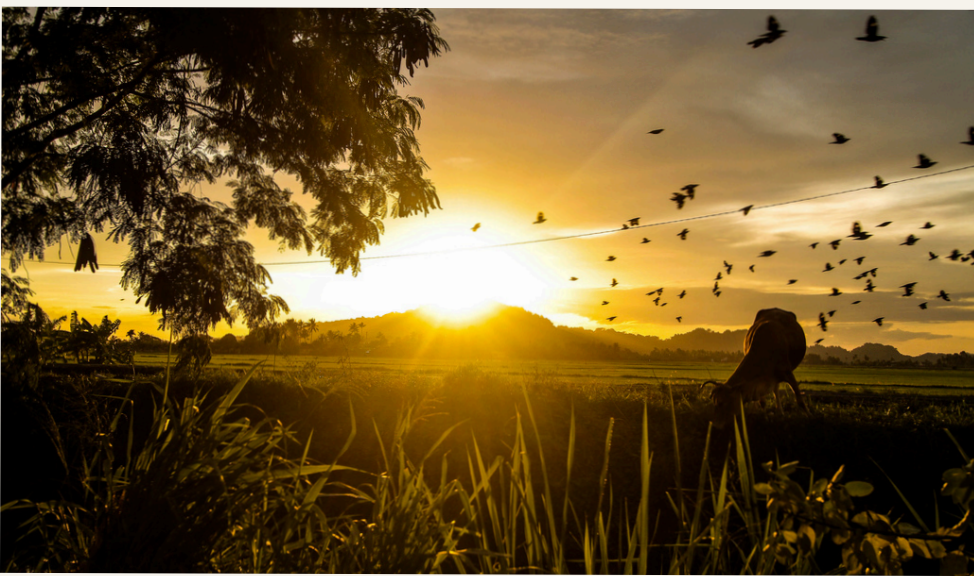
Perlis Geopark



TOURISM PROJECT COMPILATION

*Geopark Engagement Programs through
Community Based Tourism*

DIPLOMA IN TOURISM MANAGEMENT
TOURISM AND HOSPITALITY DEPARTMENT
POLITEKNIK TUANKU SYED SIRAJUDDIN, PERLIS



TOURISM PROJECT COMPILATION

DTM 50174 TOURISM PROJECT
DIPLOMA IN TOURISM MANAGEMENT

TOURISM AND HOSPITALITY DEPARTMENT
POLITEKNIK TUANKU SYED SIRAJUDDIN

SESI I : 2023/2024



Jabatan Pelancongan dan Hospitaliti
Politeknik Tuanku Syed Sirajuddin
Edisi 2024

(c) Hakcipta terpelihara.

Tiada mana-mana bahagian dalam buku ini yang boleh disiarkan, terbitan semula dalam sebarang bentuk dan dengan apa cara sekalipun, termasuklah elektronik, mekanikal, fotokopi, rakaman dan sebagainya, tanpa mendapat keizinan bertulis daripada penerbit dan pemilik hakcipta.

Perpustakaan Negara Malaysia

Politeknik Tuanku Syed Sirajuddin
Kompilasi Projek Akhir Pelajar
Jabatan Pelancongan dan Hospitaliti

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LIST OF CONTENT



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FOREWORD : PTSS ACADEMIC DEPUTY DIRECTOR

FOREWORD : HEAD OF TOURISM AND HOSPITALITY
DEPARTMENT

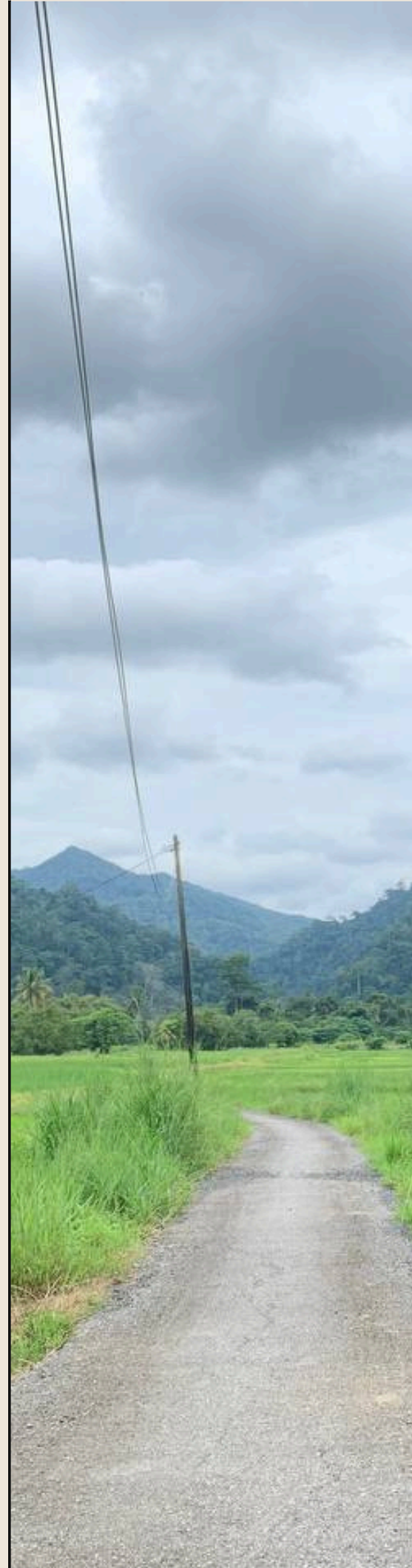
FOREWORD : HEAD OF DIPLOMA IN TOURISM
MANAGEMENT PROGRAMME

PREFACE

PROJECT ACHIEVEMENT

FINAL PROJECT

CONCLUSION



WORDS FROM MANAGEMENT



PUAN NORLILI JUWITA BINTI ARSHAD

ACADEMIC DEPUTY DIRECTOR
POLITEKNIK TUANKU SYED SIRAJUDDIN

I would like to extend my heartfelt congratulations to every soul whose exceptional efforts have culminated in this remarkable compilation of projects. Each project reflects the students' commitment to understanding and preserving the unique geological and cultural heritage of the natural wonders in Perlis Geopark. This book exemplifies how education, when combined with passion and purpose, can lead to the sustainability and enrichment of the geopark. The young minds have shown that, every step forward, no matter how small, is a step toward conquering the world.



ENCIK YUSDI BIN ISMAIL

HEAD OF DEPARTMENT
TOURISM AND HOSPITALITY

Kudos to all on a job well done. I witnessed all the hard work throughout the journey, from field studies to research and education outreach to foster a sense of ownership and pride among the communities regarding Perlis Geopark. This book is a dedication of students to invite all walks of life to celebrate the geological and cultural heritage presented naturally on the stage of Perlis soil. Let these examples of dedication serve as guide and motivation for future projects. Through unity and shared purpose, we can achieve extraordinary things.



WORDS OF STAKEHOLDER



DR PUTEH SORAYA BINTI A. RAHMAN
SETIAUSAHA BAHAGIAN
BAHAGIAN PERANCANG EKONOMI NEGERI PERLIS

This book is a testament of a dynamic partnership, where knowledge, ideas and resources flow seamlessly to celebrate these natural treasures of Perlis Geopark. This contribution in a form of compilation is not just beneficial but essential strategy in highlighting the realities of geological and cultural elements. Let these examples of collaboration serve as a guide and motivation for future projects, reminding us all that through unity and shared purpose, we can achieve extraordinary things.



WORDS FROM EXPERT



ENCIK SYAMIL BIN ABD RAHMAN
FOUNDER
PERLIS NATURE EXPLORER (PNX)

Based on curiosity, dedication and motivation, this book has contributed to inspiring the citizen to understand the diverse elements in a tapestry on earth that is called a geopark. Every page in this book has the profound impact of student-led project on the enrichment of Perlis Geopark. Keep on bridging the gap in educating the society and PNX will always bring to the table our experience, passion and resources to ignite the positive environmental and social change in conserving our planet.

LIST OF COMMITTEE



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Penolong Setiausaha Bahagian Bahagian Perancang Ekonomi Negeri
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Timbalan Pengarah Geosains
Jabatan Mineral dan Geosains
Kedah/ Perlis/ Pulau Pinang

P. GEOL SUSILA BINTI MD SAID

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Founder
Perlis Nature Explorer (PNX)
local Community

PUAN ROHA BINTI ISMAIL

Freelance Tourist Guide



LIST OF GEOGUIDE

NO	GEOSITE	GEOGUIDE
1	Geo-Trail BUKIT JERNIH	Cik Aliza binti Md Saad
2	Geo- Trail Fosil Perlis BUKIT KUBU	Cik Aerliny binti Mohd Rodzi
3	Geo-Trail Beauty Landscape Perlis Geopark TIMAH TASOH	Cik Zalina binti Dahman
4	Geo-Trail GUA KELAM	Cik Aerliny binti Mohd Rodzi
5	Biogeo-Trail Taman Negeri Perlis WANG KELIAN	Dr. Johan Affendi bin Ibrahim
6	Geo- Trail Warisan Kuala Perlis KG WARISAN	Cik Aerliny binti Mohd Rodzi





PREFACE

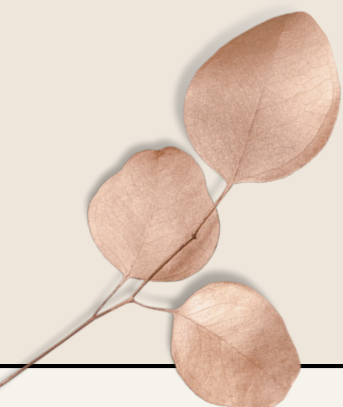
Deepest gratitude to Allah SWT for the permission granted to compiling the students' project under the theme of Geopark Engagement Programs through Community Based Tourism as to fulfill the course requirement of DTM 50174 – Tourism Project. It is with immense pride and admiration that we present this collection, showcasing the invaluable contributions made by young minds towards the development and conservation of our treasured geoparks.

Special thanks to Perlis State Economic Planning Division (BPEN) for the endless support throughout the journey in completing the projects. The attention given to the project has captured the essence of celebration and acknowledgement for the students' contributions.

Hopefully, this little contribution in the name of education and community engagement will inspire the society to foster a sense of pride and ownership in taking an active role in the stewardship of their environment, especially in ensuring Perlis Geopark flourish for Visit Perlis 2024–2025 and for the future generations.

Our deepest appreciation to Perlis State Economic Planning Division (BPEN), Perlis Nature Explorers, local communities at all the selected geosites and agencies for the effortless cooperation, collaboration and connection in helping the Diploma in Tourism students to bring invaluable insights and passion to the table. And, hopefully, the synergy will continue to the sustainable preservation and appreciation of our planet's geological heritage.

Perlis Geopark





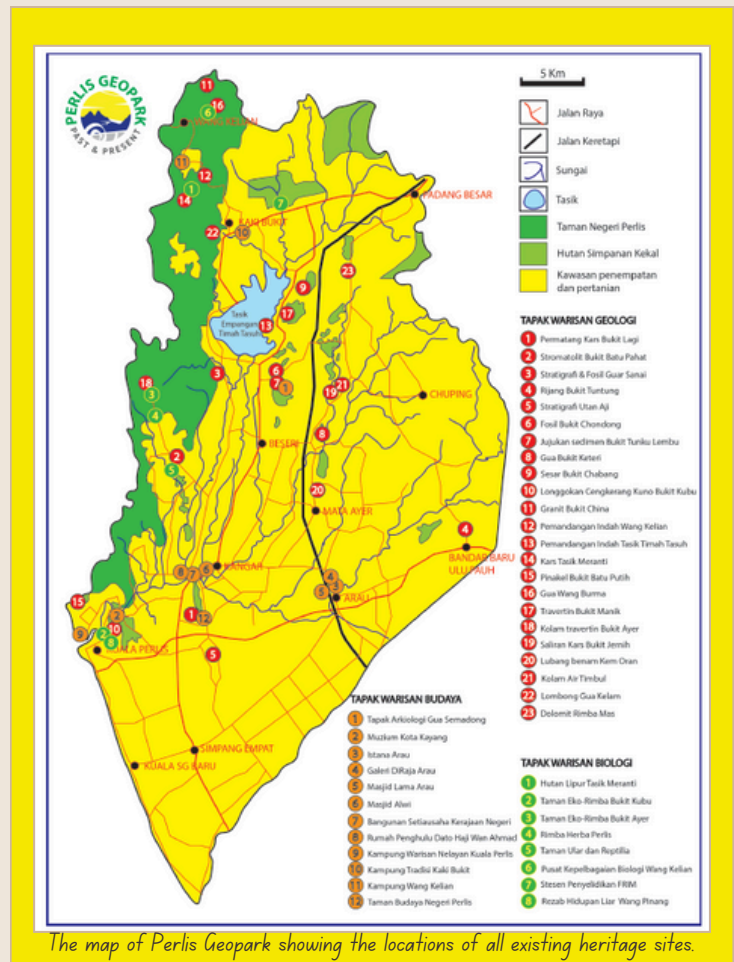
GEOPARK ENGAGEMENT PROGRAMS
THROUGH
COMMUNITY BASED TOURISM

PERLIS GEOPARK

Perlis Geopark, officially recognized as the 10th National Geopark on November 9, 2023, is a unique treasure showcasing an exceptional blend of geology, biodiversity, and cultural heritage.

With an outstanding evaluation score of 92.96%, this recognition marks the success of conservation and sustainable development efforts for geosites in Perlis.

The geological history of Perlis Geopark includes limestone formations that are over 500 million years old, making it one of the regions with significant scientific and tourism value in Malaysia.



The map of Perlis Geopark showing the locations of all existing heritage sites.

This final-year project by tourism students is an initiative aimed at raising community awareness about the importance of geosites in Perlis.

It involves six groups of students conducting awareness programs at various geosites, including key locations such as Bukit Jernih, Bukit Kubu, Timah Tasoh, Gua Kelam, Taman Negeri Wang Kelian, and Kampung Warisan Kuala Perlis.

Each group was supported by experienced Geoguides to ensure the effectiveness of these programs.



scan to

know more about Perlis Geopark

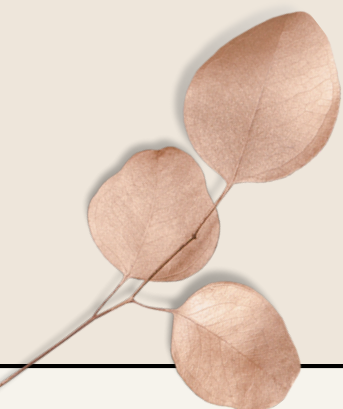


Perlis Geopark offers three main categories of heritage sites, namely:

- **Geological Heritage Sites** – Such as the Stratigraphy and Fossils of Gua Sanai, Bukit Chondong, and Karst Tasik Meranti.
- **Cultural Heritage Sites** – Including the Archaeological Site of Gua Semadong and the Royal Gallery of Arau.
- **Biological Heritage Sites** – Such as the Tasik Meranti Recreational Forest and Bukit Ayer Eco-Forest Park.

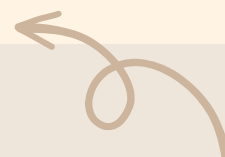
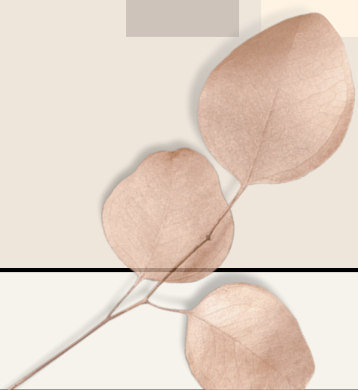


This book, "Compilation of Final-Year Projects on Perlis Geopark," documents the journey and experiences of each student group throughout their programs. It not only records their achievements but also highlights the beauty and diversity of Perlis Geopark's natural treasures. It is hoped that this compilation will inspire ongoing efforts to preserve geosites and cultural heritage for the benefit of future generations.



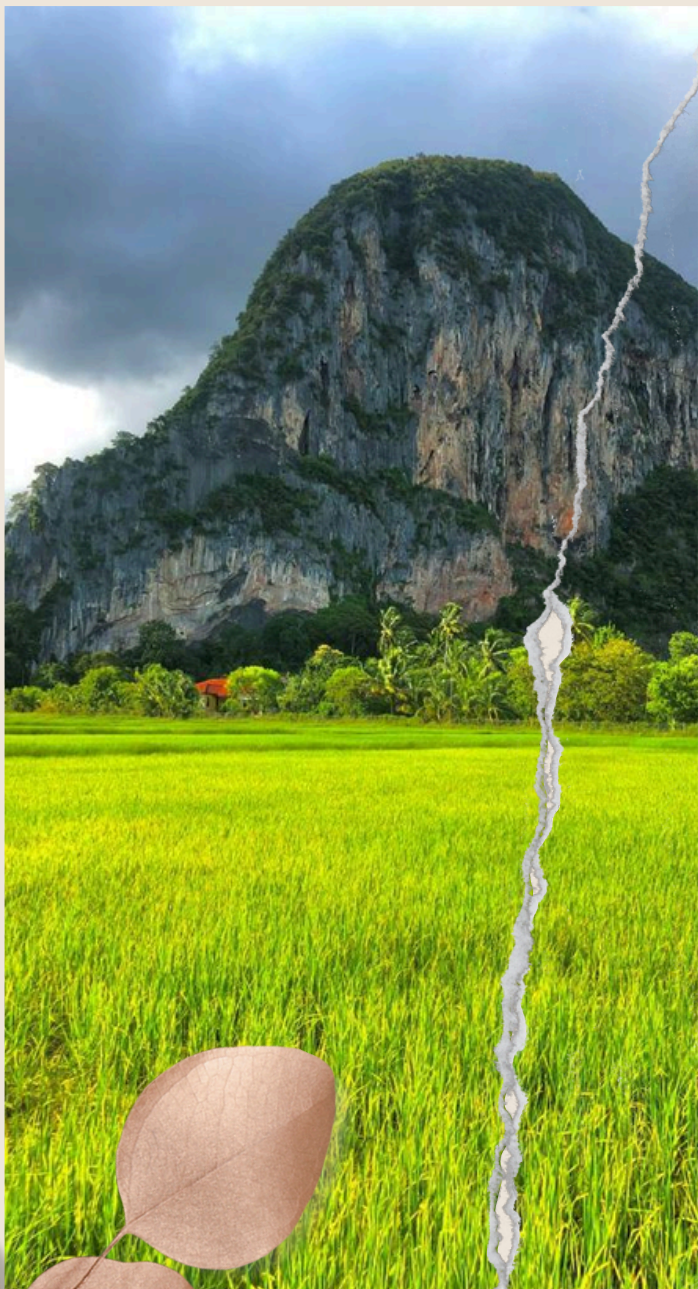
LIST OF PROGRAM

NO	GEOSITE	PROGRAM NAME
1	Geo-Trail BUKIT JERNIH	X-VENTURE GEOHUNT
2	Geo- Trail Fosil Perlis BUKIT KUBU	Exploration of Tegillarca Granosa
3	Geo-Trail Beauty Landscape Perlis Geopark TIMAH TASOH	Explore the Value of Sustainable @ Timah Tasoh
4	Geo-Trail GUA KELAM	Explore the uniqueness of Gua Kelam
5	Biogeo-Trail Taman Negeri Perlis WANG KELIAN	<i>Mendedah khazanah kampung halaman.</i>
6	Geo- Trail Warisan Kuala Perlis KG WARISAN	<i>Warisan Akar Umbi Anak Muda</i>



1/BUKIT JERNIH

The Geo-site of Bukit Jernih consists of the 220-million-year-old Chuping limestone formations. It has a diverse collection of fossils such as crinoids, foraminifera, nautiloids and other fossil fragments. There are also Geo-trails, in the form of caves, rivers and geological structures.

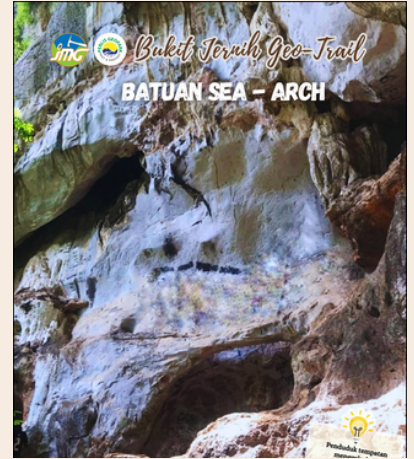
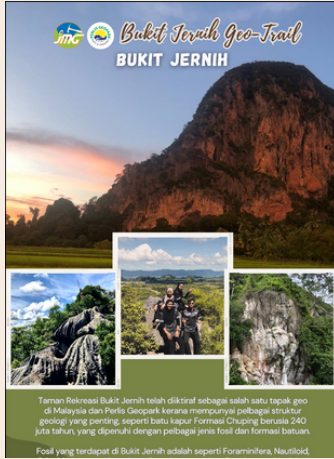


Bukit Jernih Karst Drainage Geo-site is located in the north of Bukit Keteri, near Kampung Kubang Tiga. Bukit Jernih has been developed as a recreational area and has become an attraction for residents to do picnic activities with their families while enjoying the beauty of nature and the sound of calm flowing river. Bukit Jernih Geo-trail is managed by the Perlis Geopark Geo-guide Association. The beautiful green landscape found in this recreation park makes it a focal point for many people who want to spend the weekend doing camping activities, extreme activities, and cave exploration. This recreational park is complete with basic facilities, BBQ site, jogging and suitable for leisure activities (Saaïd et al., 2023).

Fossils found in Bukit Jernih are foraminifera, nautiloids, crinoids as well as various fragments and piles of shells. There are several types of morphology in Bukit Jernih and one of the most prominent is the underground river drainage. Other morphologies are rock expanses, caves, notches, karren, lapies, mushrooms and fault structures that can be seen from afar. All these morphological forms are the result of chemical weathering of carbonate rocks. The notch structure can be related to the underground water level (or river) or the ancient sea level in the past (Saaïd et al., 2023).



ELEMENTS OF BUKIT JERNIH GEO-TRAIL



PROJECT OBJECTIVES

- To identify the level of awareness among the local community towards Bukit Jernih Geo-trail.
- To develop an awareness program at Bukit Jernih Geo-trail.
- To implement an awareness program at Bukit Jernih Geo-trail.
- To evaluate the awareness program effectiveness at Bukit Jernih Geo-trail.

ACTIVITIES AT GEOSITE

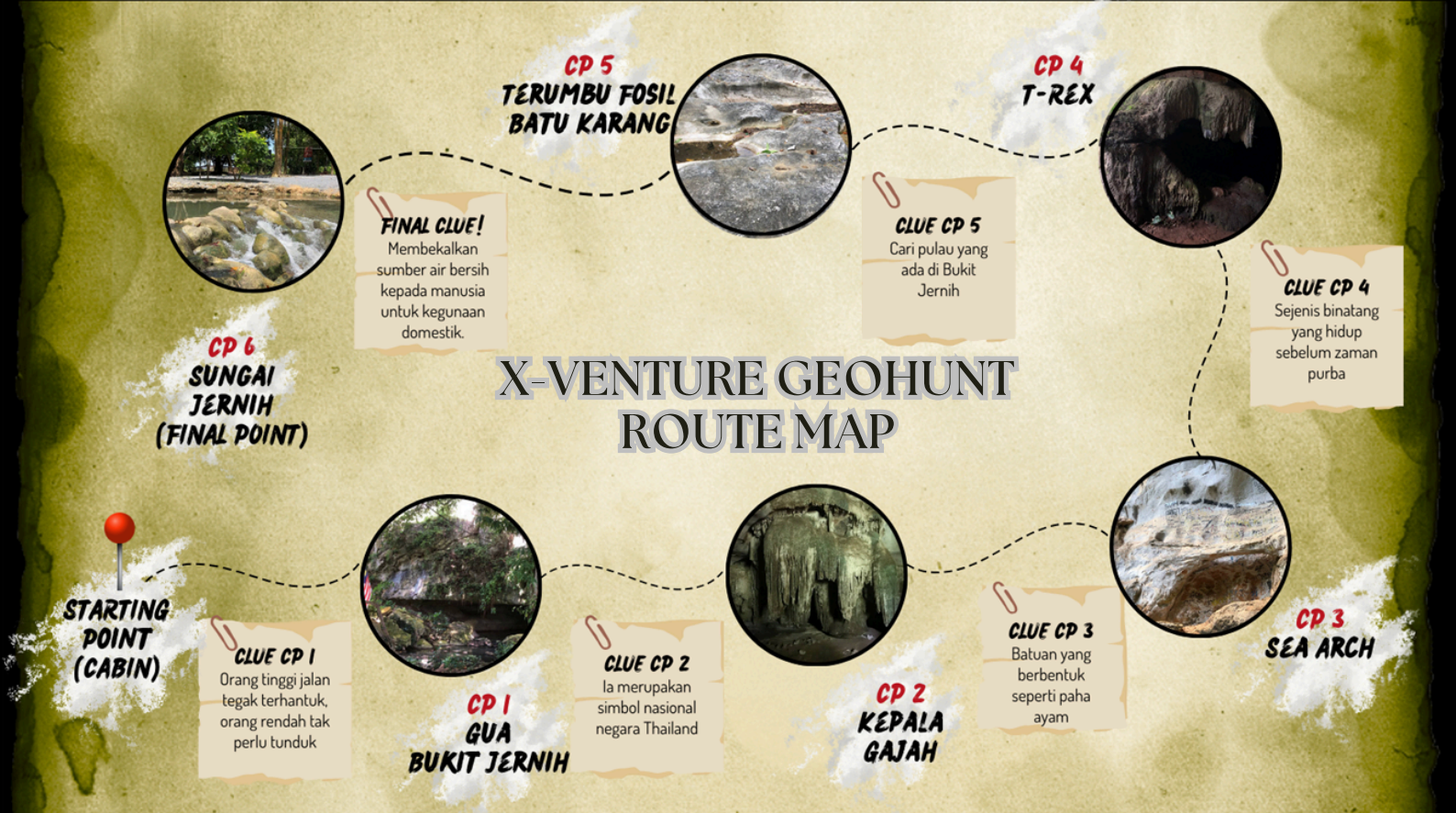


PARTICIPANT

Student from the nearest school

- SMK Dato' Jaafar Hassan
- SK Bukit Keteri





PARTICIPANT AND GEOGUIDE REVIEW

- | | |
|---|---|
| <input type="checkbox"/> This activity is very effective for increasing knowledge. | <input type="checkbox"/> This activity needs to be carried out again. |
| <input type="checkbox"/> I hope programs like this will be organized again. | <input type="checkbox"/> All the facilitators are kind |
| <input type="checkbox"/> Interesting program! | <input type="checkbox"/> It's fun :) |
| <input type="checkbox"/> Felt happy. | <input type="checkbox"/> Engage participants in communication with visitors as well. |
| <input type="checkbox"/> In my opinion, the Geopark Educational Program is very beneficial for school students. | <input type="checkbox"/> This activity is very effective for me to increase my knowledge. |
| <input type="checkbox"/> This program enabled me to do group work with friends who were strangers before. | <input type="checkbox"/> Improve knowledge of the geopark. |
| <input type="checkbox"/> This program provides many benefits. I was able to learn new things. | <input type="checkbox"/> Carried out more often to provide in-depth knowledge to the community. |





X-Venture Geohunt has successfully increased awareness of the local community through Bukit Jernih Geo-trail project especially for young generations.

Through this project, it is hoped that the transfer of knowledge and awareness to the local community of Bukit Jernih can bring a positive impact on the sustainability of Bukit Jernih Geo-trail in terms of economy, social and environment.

Together with the other stakeholders, Bukit Jernih Geo-trail community can uphold the priceless heritage of Perlis Geopark in the future.



2/BUKIT KUBU

Bukit Kubu is located on the outskirts of Kuala Perlis, Perlis and is also known as Bukit Kubu Recreational Forest. Bukit Kubu faces west and is surrounded by alluvial plains which are rice fields and townships in front of it. The origin of the name Bukit Kubu is Bukit To'Po and connected to Bukit Wang Pinang, Bukit Papan, and Nakawan range (Rodzi, 2023).



The limestone cave Bukit Kubu located in Setul Formation was formed in the sea, as evidenced by the presence of old marine crust fossils and ancient sea-level markers (Geosains dan Mineral, 2023). Bukit Kubu is considered one of the latest geo-trail attractions in Perlis. This geosite is managed by the Perlis State Government and Department of Forestry. The Bukit Kubu Geosite contains a variety of elements. Stromatolites and piles of old shells, which date back 7000 million years, make up the bulk of Bukit Kubu. Additionally, stalactites and stalagmites are created, which further enhances the distinctiveness of limestone caves (Jeoexplorer, 2018). Moreover, other distinctive elements in Bukit Kubu that can draw tourists' interest in geotourism are the old ocean notch, merpauh tree, lotus flower, viewpoint, hand crafted rock animal, limestone cave, tiger cave, fish cave, meteor crater, and puteri kayang lake.

LET'S DISCOVER IT!



PROBLEM STATEMENT

Bukit Kubu Eco-Forest was founded in 1992, spanning from Bukit Papan to Bukit Kubu. The geological resources at the newly established Bukit Kubu are not well-known or acknowledged by the local communities. The issue is that the locals are unaware of the geological treasures, such as fossils, at Bukit Kubu. This initiative aims to increase awareness in the local community by promoting the preservation of fossils at Bukit Kubu (Rodzi, 2023).

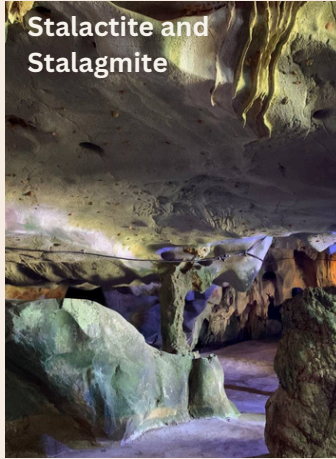
PROJECT OBJECTIVES

- 1 To identify the level of awareness toward the Bukit Kubu geosite among local communities.
- 2 To develop an awareness program geo-trail fossils at Bukit Kubu for local communities.
- 3 To implement an awareness program on geo-trail fossils Bukit Kubu for local communities
- 4 To evaluate the effectiveness of an awareness program on geo-trail fossils at Bukit Kubu for local communities.

enjoy the process



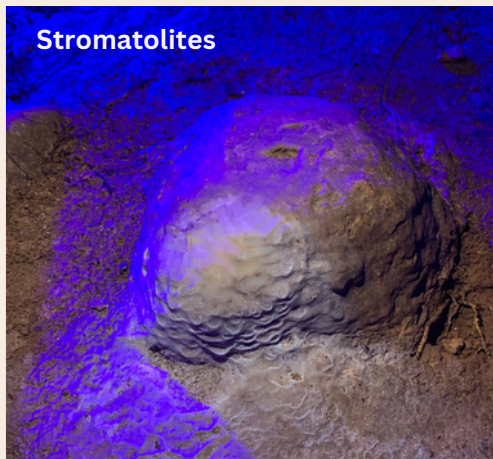
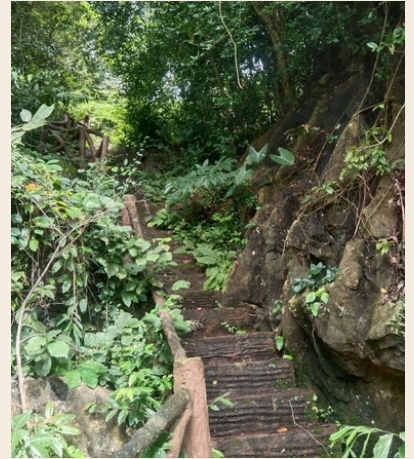
ELEMENTS OF BUKIT KUBU



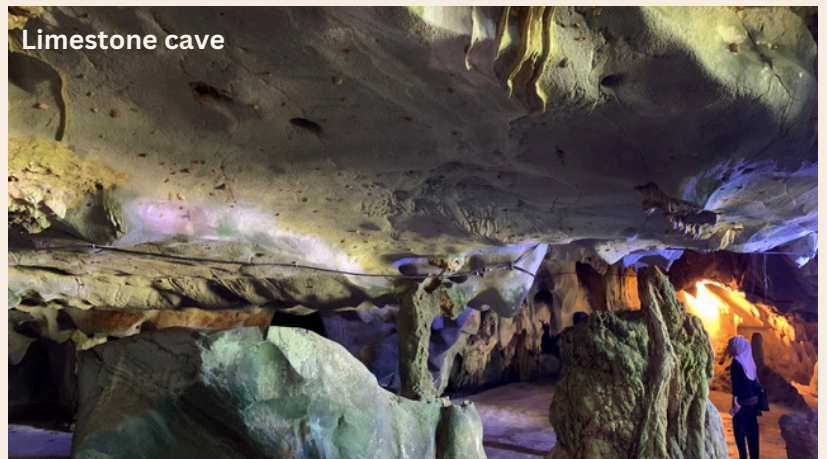
Stalactite and
Stalagmite



Lotus Flower



Stromatolites



Limestone cave



Entrance to Bukit Kubu



Tegillarca Granosa



PROGRAM IMPLEMENTATION

1

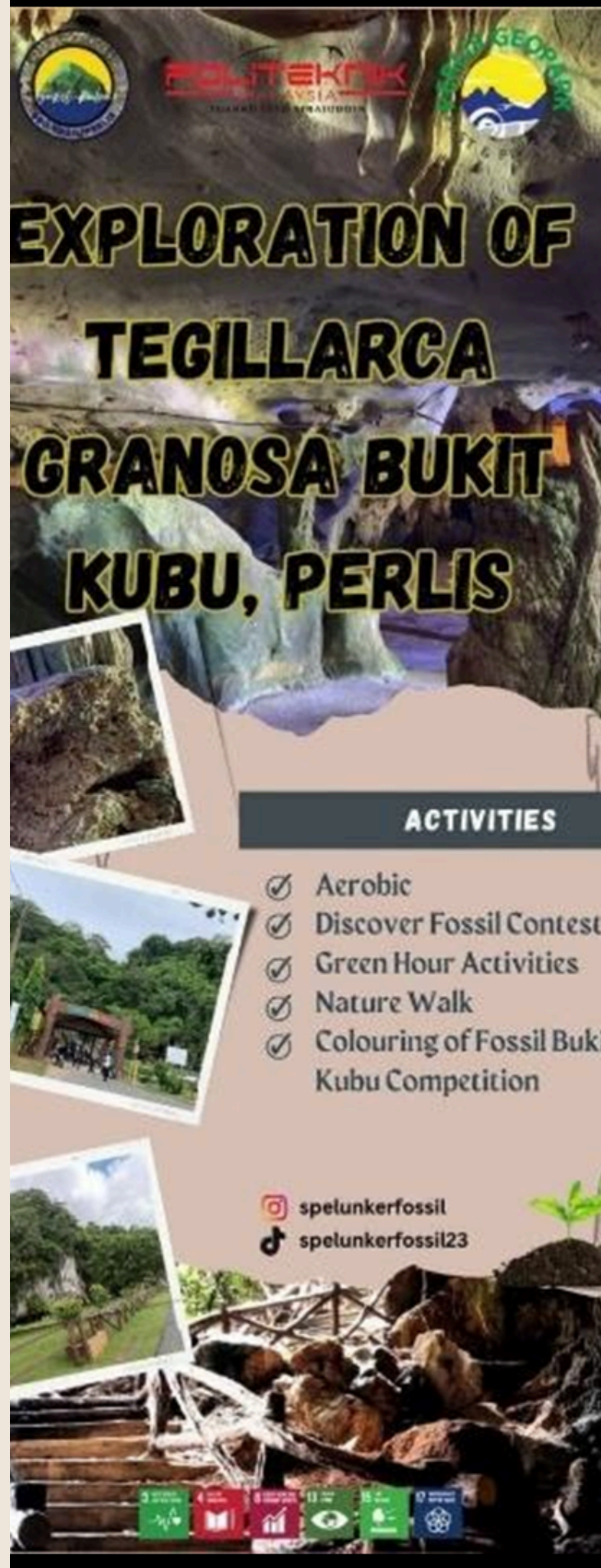
Green Hour is a tree planting program at Bukit Kubu. The objective is to improve the Perlis ecosystem and biodiversity by conserving and preserving the natural resources in the geosite. In addition to promoting environmental awareness and appreciation towards the natural biodiversity. The tree planting project aims to preserve and conserve the Bukit Kubu geosite.

2

The Nature Walk is to explore Bukit Kubu's natural environment. The participants trekked around Bukit Kubu to experience the natural surroundings as part of the 39 programmed. The Discover Fossil Contest activity is included in program.

3

The Know Me Trail-Quest, creates a sense of community awareness to the program after the completion of the activity. The aim of the program is to test the level of awareness of the local communities regarding the fossil geo-trail on Bukit Kubu throughout the ram.



ACTIVITIES AT GEOSITE



Exploration of Tegillarca Granosa Bukit Kubu, Perlis has successfully increased awareness of the local community through this project especially for young generations.

The participant for this program comes from 20 students from Sekolah Menengah Kebangsaan Derma, 10 kids from Tadika Madani Al-Ikhlas, staff from the Department of Mineral and Geosciences, and the Department of Perlis State Forestry, were involved in the project.





3/ TIMAH TASOH

Tasik Timah Tasoh, is situated in the northern reaches of Perlis, Malaysia, is a captivating man-made lake that graces the landscape with its natural beauty and tranquil charm that is listed as one of the geosite. This picturesque reservoir was born in the early 1980s when the Timah Tasoh River was dammed, giving rise to the serene waters that now cover an area of approximately 84 hectares.

Surrounded by lush greenery and framed by rolling hills, this lake has evolved into a cherished tourist destination in Perlis. Its appeal lies not only in its scenic allure but also in the myriad recreational opportunities it offers, including picnicking, fishing, boating, and exploration of the verdant trails.

Beyond its natural splendor, Tasik Timah Tasoh holds cultural significance for the local community, often serving as a venue for traditional ceremonies and cultural events. Easy accessibility by road from nearby towns, such as Kangar, further enhances its popularity, making it a favored choice for day trips and weekend getaways.

Conservation efforts have been implemented to safeguard its ecosystem and preserve its charm, ensuring that Tasik Timah Tasoh continues to captivate visitors and enrich the region's natural heritage. (Van Wijnen, 2016.)



LET'S DO IT!



POLITEKNIK
PERLIS



Explore the Value of Sustainable Timah Tasoh Geosite



19 November 2023

7.30 a.m - 12.30 p.m



Dataran Empangan
Timah Tasoh

Anjuran :
Daiute Scenery



ELEMENT

Landscape

Timah Tasoh Geo-trail is part of the landscape with various elements like viewpoints and scenic spots, environmental features, flora and fauna, and natural features specific to the area.



Fossil

Timah Tasoh fossils are caves and hills of limestone that may hold fossils because of their geological structures that can capture and preserve ancient remains. Locations of limestone locations are often good places to find fossils. However, it's difficult to give information without knowing the exact type or location of the fossils found in Timah Tasoh. There is a place that provides fossils at Timah Tasoh to see and learn of a microorganism that lived hundreds of millions of years ago, Monodiexodina and Stomatolite.

Culture

Traditional Food

Pekasam is a traditional fermented food commonly found in Southeast Asia, particularly in Malaysia, Indonesia, and southern Thailand. It is usually made from sour fish, usually freshwater fish, in a mixture of salt and rice or other grains. The fermentation process gives pekasam a unique taste and aroma.



Leisure Activities



Tasik Timah Tasoh, located in Perlis, Malaysia, offers a range of local activities for visitors to enjoy. Some of the popular activities and things to do at Tasik Timah Tasoh include:





PROBLEM STATEMENT

There still a challenges in educating the community to achieve long lasting things and effective conservation and sustainability programs because there still have some misconceptions among the community because they often refer to geoparks as a brand (Norzaini Azman,Sharina Abdul Halim & Ibrahim Komoo,2009)

The community also does not realize that geoparks are more than just a brand; rather, it is a development instrument that promotes conservation and sustainable economic development (NorZaini Azman,2010)

Community also unsure of how having geopark designation will improve their standard of living (MSN Ibrahim,2021)

Therefore, to achieve sustainable resource utilization, public education programs, promotional activities and capacity-building need to be formulated.

OBJECTIVES

- To identify the level of awareness among the local community towards Timah Tasoh geosite.
- To develop an awareness program for the local community at Timah Tasoh geosite.
- To implement an awareness program for the local community at Timah Tasoh geosite.
- To evaluate the effectiveness of the awareness program implemented for the local community at Timah Tasoh geosite.

enjoy the process



PROPOSE PACKAGE

An educational initiative called "Explore the Value of Sustainable" raised awareness about geoparks at Timah Tasoh Dam Square.

Activities included talks and engagement activities like bunting displays and puzzles. A survey showed positive community responses, indicating the increased understanding and support for geoparks.

The program has successfully educated the community on geoparks' benefits for tourism and local businesses, highlighting the importance of educational initiatives for conservation and sustainability efforts.

Program Tentative		
MASA	AKTIVITI	PIK
7:30 a.m.	• Ketibaan Peserta	• Organizer
8:00 a.m.	• Pendaftaran Peserta	
8:30 a.m.	Slot 1 - Timah Tasoh Geosite Sharing Session. • Timah Tasoh Perlis Hidden Colour (Kelab Rekreasi Timah Tasoh) • Timah Tasoh As Perlis Geopark (Cik Zalina)	• Kelab Rekreasi timah tasoh & Cik Zalina (Perlis Geo Guide)
9:00 a.m.	Slot 2 Activity 1: Deep dive into Timah Tasoh Heritage • Finding the Pekasam Master Activity 2: Explore the beautiful Sustainable at Timah Tasoh • Local Heritage Scene Explorer • VensCrafter: Perlis Colour PALETTE	• Timah Tasoh Recreation Club
11:00 a.m.	Slot 3 - Closing Sharing • Talk Timah Tasoh Hidden Gems • Majlis Penutupan	• Program Director • Perlis Cik Zalina (Perlis Geo Guide)
12:30 p.m.	• Bersurai	• Organizer

Explore the Value of Sustainable
Timah Tasoh Geosite



ACTIVITIES AT GEOSITE



CONCLUSION

The program was successful in providing knowledge and understanding about the geopark to the local community. The majority of respondents agreed that geoparks could benefit the local community through tourism development, mentioning that Timah Tasoh's development had created business opportunities for them.

It concluded that educational programs are crucial to fostering an understanding of geoparks and its benefits, ultimately aiding in conservation and sustainability efforts. The findings suggested that the program was well-received and effectively implemented in achieving its objectives.



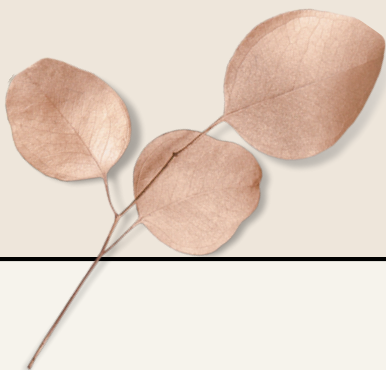


4/ GUA KELAM

Kaki Bukit is located at the border of Malaysia and Thailand, surrounded by Nakawan Ranges, which makes the place very secluded. It is a town inhabited by about 3000 people where the majority are Chinese. The design and architecture of the shop and houses are totally different from the other places in Perlis. The community is a small trader such as groceries shop and guest house owners and some are involved as nature guides.



Gua Kelam was divided into two parts, which are Gua Kelam 1 and Gua Kelam 2. Gua Kelam 1 is a Recreational Park that is popular for its enchanting 'cave walk'. Gua Kelam 2 or "Dark Cave" is the former tin ore site and one of the largest caves in the world. There was a tunnel built by the locals during the Japanese occupation. Both caves are in the same range but have different paths. Besides, there is a gallery which was developed by the State Forestry Department that exhibits the artifacts and historical materials regarding tin ore mining.



PROJECT OBJECTIVES

- To identify the level of knowledge among community towards geopark at Kaki Bukit Gua Kelam.
- To develop a geopark educational program at Kaki Bukit Gua Kelam.
- To implement geopark educational program at Kaki Bukit Gua Kelam.
- To evaluate the geopark educational program's effectiveness at Kaki Bukit Gua Kelam.



enjoy the process



PROPOSE PACKAGE



EXPLORE THE UNIQUENESS OF GUA KELAM

19 NOVEMBER 2023 (AHAD)



Senamrobik

Aktiviti senamrobik ini akan dikendalikan oleh Sky Fit Dance, Kangar. Aktiviti ini akan dijalankan selama 30 minit.



Sesi Perkongsian Ilmu dari Jabatan Perhutanan

Encik Afandi dari Jabatan Perhutanan akan memberi ceramah mengenai ekopelancongan. Ini dilakukan untuk memberi kesedaran dan pengetahuan kepada peserta tentang memelihara dan memulihara tapak geopark Gua Kelam.



Walking Trail & Pertandingan Fotografi

Aktiviti *walking trail*, peserta akan dibawa merasai aktiviti *walking trail* ini dengan melalui beberapa kawasan di Kaki Bukit iaitu Gua Kelam, Kuil Gua Ikan, Dusun Durian, Pekan Lama Cina dan Rumah Long Ah Tong. Selama



Pertandingan Mewarna & Cari Kata

Pertandingan ini menyasarkan kanak-kanak kecil yang berumur 7 dan 8 tahun. Peserta akan mengambil bahagian dalam pertandingan mewarna dan silang kata, bertujuan untuk memupuk pengetahuan tentang geopark melalui carian perkataan dan mewarna.





SERTAI KAMI

📍 Gua Kelam, Perlis

☎ 010-4684496 (Rusyaidi)



ACTIVITIES AT GEOSITE



Conclusion

The Gua Kelam project successfully showcased its geological and cultural significance within Perlis Geopark. Through activities like educational programs, walking trails, and competitions, the initiative raised community awareness and promoted sustainable tourism. Key collaborations with local authorities and guides ensured the program's success, making Gua Kelam a hub for recreation and education. This project highlights the importance of community involvement in preserving and promoting Perlis Geopark's natural and cultural heritage.





5/ WANG KELIAN

Nestled within the prehistoric Nakawan Range, the village of Wang Kelian stands as the northernmost human settlement in Peninsular Malaysia. Here lies the final opportunity to refuel before reaching Thailand's border and capture a fleeting image of a picturesque Malaysian kampung, bidding farewell to “Selamat Pagi” and welcoming “Sawatdee”. There are around 200 - 300 residents in Wang Kelian.

This is where the Indochinese influences of northern mainland Asia begin to blend into the equatorial Nusantara biosphere. The unique place where the local communities are associated with either the Indochine or Nusantara.

Encompassing an area greater than 5000 hectares, the Perlis State Park was founded in 1997 that includes the Mata Ayer, Wang Mu, and Wang Tangga Forest Reserves, all of which enveloped Wang Kelian in their embrace.

This area is a remarkable biodiversity hotspot and a home to seven species of primate – the Slow Loris, Dusky Leaf Monkey, Long-Tailed Macaque, Southern Pigtailed Macaque, Robinson’s Banded Langur, Lar Gibbon and the iconic Stump-Tailed Macaque. Most of these species are currently classified as ‘endangered’ by the IUCN Red List. It is also packed with other varieties of flora and fauna, some of which cannot be found anywhere else in the country.

LET'S DISCOVER IT!



PROBLEM STATEMENT

Challenges in Geopark success include community conflicts affecting local support. Stakeholders need tailored information for understanding and promoting the Geopark. Involvement of local communities is vital for sustainable economic growth through tourism and heritage conservation. Limited information by the local authorities impacted the effectiveness of geopark development agenda. Sustainable tourism depends on popularizing geo conservation techniques and empowering the local communities. Research in Mulu Mountain National Park shows moderate community awareness of geoparks, with uncertainty about benefits to livelihoods. Lack of awareness among the younger generations of the area's heritage and assets contributed to lack of community engagement in developing the geopark.

PROJECT OBJECTIVE

- To identify the Kampung Wang Kelian community's level of awareness toward the BioGeo Trail in Perlis State Park.
- To develop the awareness programme for community at Kampung Wang Kelian toward BioGeo Trail Perlis State Park.
- To implement the Geopark awareness program with Kampung Wang Kelian communities.
- To evaluate the effectiveness of the Geopark awareness program at Kampung Wang Kelian community's.

PROJECT SCOPE

- The scope of the project is to create an awareness program for the local community in Kampung Wang Kelian. The program includes activities like talks, coloring contest, treasure hunts, and crosswords is to engage the participants of all ages. The project's significance lies in the community's increased knowledge about the Geopark, the potential for increased tourism, and the empowerment of the local community.

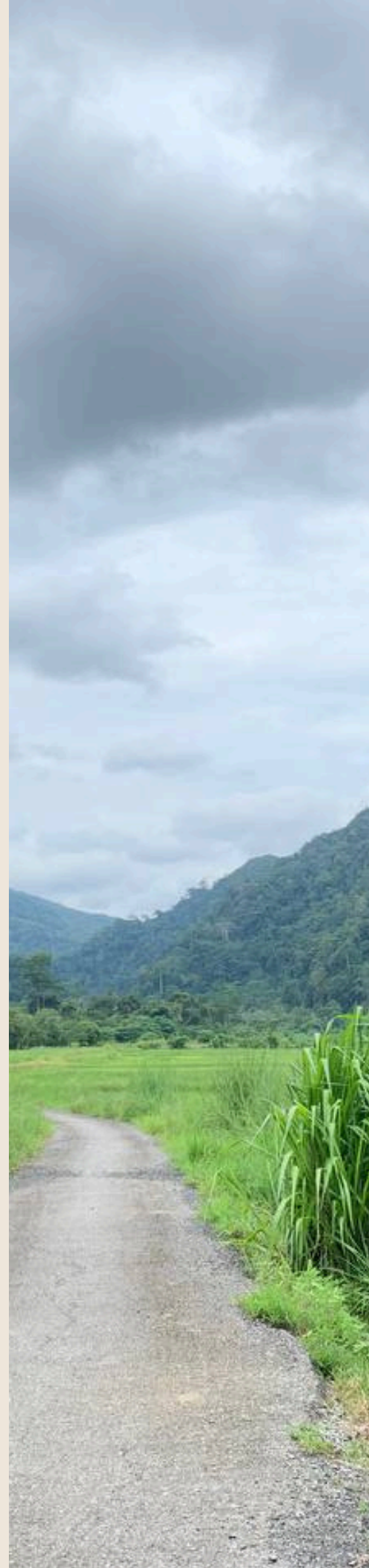


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PROPOSED ACTIVITY

ACTIVITY	DESCRIPTION
Registration and Breakfast	<ul style="list-style-type: none"> Participants arrive and gather for breakfast at 8.00 am Video screening related to the geopark for participants to make a reference before activity
Activity -Colouring sessions	<ul style="list-style-type: none"> Open to participants 4-7 years old Theme - Biology assets such as Dusty Eagle Owl and Macaca Arctoidea Judge- Cik Munirah binti Mahmood, Librarian Kg Wang Kelian - All personal in charge - photos and video during activity
Treasure Hunt (Puzzle game)	<ul style="list-style-type: none"> Treasure hunt activities consist of 5 group with 3 members per group 3 checkpoints - PIC will give question to participants about Geopark and played a puzzle
Cross Word	<ul style="list-style-type: none"> The crossword activity is open to all ages in pair Each pair is given 15 questions based on video screening related to Geopark All personal in charges - photos and video during activity
Opening Ceremony Unveil The Hometown Treasure Programme	<ul style="list-style-type: none"> Sharing sessions by BPEN Perlis about information Geopark Speech opening ceremony by Library Director Perlis Video screening of the implementation process throughout the program Prize giving ceremony
Visit to Geopark Information Site	<ul style="list-style-type: none"> Accompany all VIP to Geopark Information Site at Library Kg Wang Kelian Briefing to all VIP about content at Geopark Information Site
Visit to the Geopark Information Board	<ul style="list-style-type: none"> Accompany all VIP to Geopark Information Board at Warung Kak Neng Accompany all VIP to enjoy for lunch at Warung Kak Neng Dismiss



ACTIVITIES AT GEOSITE

The community members were all in for Geopark fun and protecting its treasures, signaling a cool change in how they viewed and engaged with the Geopark. The study wrapped up by giving the project a high-five for hitting its goals, but also dropped a hint to level up program management and bring in more eager participants for the next round of adventures!



LET'S DO IT!



Mendedah Khazanah KAMPUNG HALAMAN, KG. WANG KELIAN

SABTU, 18 NOVEMBER 2023

- PEMBUKAAN PERASMIAN PUSAT INFORMASI PERLIS GEOPARK"
- PERMAINAN GEO-WARRIOR
MEWARNA DAN PUZZLE.

THE PROGRAMME

The awareness program, titled "Unveil the Hometown Treasure," was designed to engage the community of Kampung Wang Kelian with activities such as coloring contest, treasure hunts, and crossword puzzles, tailored to different age groups. The program also included a sharing session by the Perlis State Economic Planning Division (BPEN) and an inauguration by the Library Director of Perlis.

The findings indicated that the program was effective in raising awareness about the Geopark, with a majority of respondents having heard about it prior to the program, mainly through local news and social media. The program's educational components were well-received, as evidenced by the high ratings of knowledge gained post-program.

The community members showed a willingness to participate in Geopark-related activities and to conserve its assets, suggesting a positive shift in perception and interest in the Geopark. The research concluded that the project successfully achieved its objectives, although it recommended improvements in program management and increasing participant numbers for future initiatives.



LET'S DO IT!



6/ KG WARISAN, KUALA PERLIS

Kampung Warna Warni in Malaysia is a Geo site with significant geological structures and heritage. Initially a fishing village, it was transformed into a vibrant village through a project led by the Islamic Religious Council and other organizations since December 2020.

In the Kampung Warna Warni area, seven villages were impacted positively by the initiative led by His Royal Highness Tuanku Syed Faizuddin Putra Ibni Tuanku Syed Sirajuddin Jamalullail and his daughter Sharifah Khatreena Nuraniah Jamalullail.

Each house in the village is painted with various colours and different pattern on the walls of the house, which able to attract tourists to the village. Each resident agreed to paint their own house; an agreement was made by the village head informing all the villagers about the proposal made by the Raja Muda of Perlis. In addition, there are traditional snacks in the village, which are halwa maskat, cucur celup, bepang and putu mayang kuah laksa (Majlis Agama, 2021).



LET'S DO IT!



PROBLEM STATEMENT

Challenges faced by geoparks in Malaysia include community engagement, geological heritage preservation, sustainable development, and tourism promotion. Strategic solutions are needed to address these complex challenges for the geoparks' sustainability and positive impact. Lack of awareness programs hinders public education about geoparks, affecting visitor attraction, funding, and community involvement, thus impeding conservation and educational goals.

Asri Bin Jab and Aerliny Binti Mohd Rodzi face community resistance due to a protective attitude towards their land and businesses, hindering engagement. Efforts persist to shift mindsets and show how geo heritage activities can benefit local businesses.

PROJECT OBJECTIVE

1

To identify current awareness of the local community at Kampung Warna Warni Geo-heritage.

2

To implement awareness programmed Kampung Warni Warni Geo-heritage.

3

To evaluate the awareness program effectiveness at Kampung Warna Warni Geo-heritage.

Delicious **KUIH BEPANG**

Dapatkan kuih asli resepi turun - temurun hanya di
Kampung Warna-Warni!



Keenakan dan keunikan kuih bepang resepi keluarga sejak
turun - temurun !

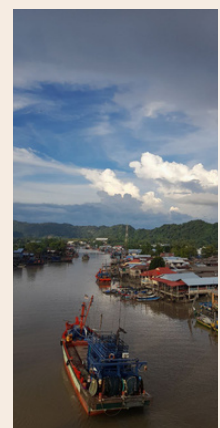
DAPATKAN SEKARANG!

+011-5425 2263
Saezah

enjoy the process



ELEMENTS OF KAMPUNG WARISAN



PROGRAM IMPLEMENTATION

WARISAN AKAR UMBI ANAK MUDA

TENTATIF PROGRAM

TARIKH : 19 NOVEMBER 2023
MASA : 7:30 AM - 2:00 PM
TEMPAT : Kampung Warna Warni, Kuala Perlis

MASA	AKTIVITI	MASA	AKTIVITI
7:30 AM	PENDAFTARAN PESERTA	10:30 AM	EXPLORACE DI KG WARNA WARNI
	<ul style="list-style-type: none"> Pendaftaran Pembahagian kumpulan Sarapan pagi 		<ul style="list-style-type: none"> Checkpoint 1 - Lorong Negeri Checkpoint 2 - Laman Bunga Raya Checkpoint 3 - Rumah Penghulu Omar Checkpoint 4 - Jambatan Syed Putra
8:00 AM	PENERANGAN & PENYEDIAAN	1:00 PM	PERASMIAN PENUTUP
	<ul style="list-style-type: none"> Penerangan ringkas Penyediaan bahan dan alatan bepang 		<ul style="list-style-type: none"> Ucapan perasmian penutupan Penyampaian hadiah dan cenderahati
8:30 AM	BENGKEL BEPANG	2:00 PM	PROGRAM BERSURAI
	<ul style="list-style-type: none"> Sesi pengenalan bepang Bengkel bermula Pembuatan bepang Sesi penghasilan "packaging" menepati prinsip Sustainable Development Goals 17 		
10:00 AM	PENUTUP BENGKEL		
	<ul style="list-style-type: none"> Pembersihan bengkel Bengkel berakhir 		

4 QUALITY EDUCATION

8 DECENT WORK AND ECONOMIC GROWTH

11 SUSTAINABLE CITIES AND COMMUNITIES

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



ACTIVITIES AT GEOSITE

- ✓ Bepang Workshop, Cooking Demonstration by Puan Saezah
- ✓ Hands-on Experience on Making Bepang
- ✓ Explorace



PARTICIPANTS' FEEDBACK

1

The participants enjoyed the program and found it informative. They suggested a more serious tone to engage younger individuals in geopark matters and clearer instructions for the explorace activity for better understanding.

2

The participants recommended on allocation of a signboard at Kampung WarnaWarni to highlight its significance in Perlis, encouraging visitors to explore and learn about its cultural and historical importance. Additionally, by organizing such programs helps raise awareness.





WARISAN AKAR UMBI ANAK MUDA

TARIKH : 19 NOVEMBER 2023
MASA : 8 PAGI - 2 PETANG
TEMPAT : KAMPUNG WARNA WARNI, KUALA PERLIS



PROGRAM REVIEW

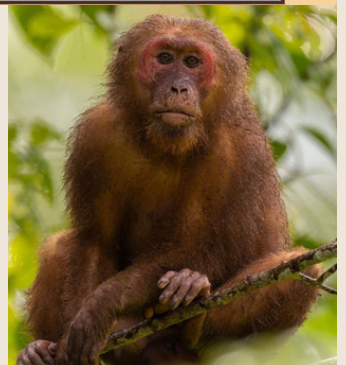
One of the challenges encountered during the program was effective time management. The program had to be shortened due to the weather conditions, which posed a risk of rainfall.

As a result, the organizers decided to adjust the time allocated for rest and meals to ensure that the participants could safely engage in the explorace activity without any adverse effects from the weather.

As overall, this program benefits from collaborations with geopark-related organizations, a strategic location in Kampung Warna Warni, and a supportive volunteer workforce. The organizers worked with Geopark Perlis, BPEN, and Geo-guide Perlis.

The program's location offers rich cultural heritage, proximity to facilities, and colorful scenery, making it an attractive destination. Seven volunteers contributed to the program's success by assisting with various tasks like layout setting, program arrangement, checkpoint management, photography, and videography.







Check your understanding

1. What is the primary objective of Perlis Geopark's engagement programs?
 - a) To increase urbanization in Perlis
 - b) To raise community awareness about geosites
 - c) To promote industrial development
 - d) To replace traditional tourism with modern tourism
2. Which of the following geosites is part of Perlis Geopark?
 - a) Mount Kinabalu
 - b) Tasik Chini
 - c) Bukit Jernih
 - d) Pulau Redang
3. What geological feature is found in Bukit Kubu?
 - a) Volcanic lava flow
 - b) Fossilized stromatolites and limestone caves
 - c) Coral reefs
 - d) Sand dunes
4. What is the main reason for developing awareness programs at Timah Tasoh?
 - a) To introduce new water sports activities
 - b) To increase industrial mining in the area
 - c) To educate the community on sustainable conservation
 - d) To promote commercial fishing activities
5. What is a key challenge faced in the success of Perlis Geopark?
 - a) Lack of public transportation
 - b) Lack of community engagement and awareness
 - c) High maintenance costs for geopark infrastructure
 - d) Inaccessibility due to harsh weather conditions



Answer: b, c, b, c, b





MAIN REFERENCE

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BAHAGIAN PEMBANGUNAN EKONOMI NEGERI PERLIS (BPEN)
POLITEKNIK TUANKU SYED SIRAJUDDIN (PTSS)
PERLIS NATURE EXPLORER (PNX)

