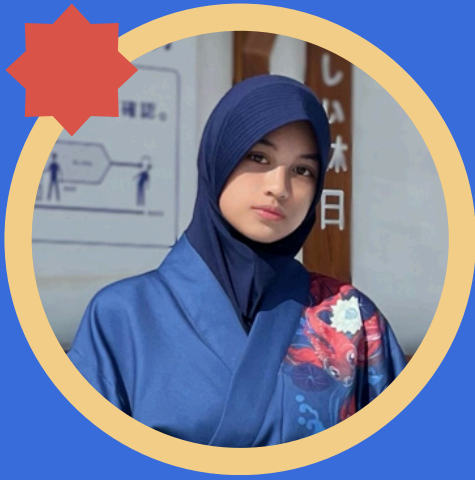


PORTFOLIO



Nayla Aqila Argia



introduction

Hi, I'm Nayla Aqila Argia, i'm passionate about technology, machine learning, and astronomy. Currently pursuing a degree in Software Engineering Technology at IPB University, I am driven by curiosity and a desire to create impactful digital experiences through continuous learning and collaboration.



Astronomy compels the soul to look upwards and leads us from this world to another
-Plato





TALENTS MAPPING

Talents Mapping, is a strategic approach in human resource management aimed at identifying, measuring, and analyzing the potential and competencies of employees comprehensively, both internally and externally.

1

VISIONING

Anticipate the future wisely

2

RESEARCHING

Carry out research in a planned manner

3

CREATING

Using imagination to create a design, product, or service

4

ANALYSING

Activity of analyzing and sorting something, then categorizing it.

5

SELLING

Selling products or services by convincing people.

6

ESTIMATING

Creating an estimated cost calculation for a job.

7

IDENTIFYING

Recognizing something or someone to ensure their identity clarity.

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NAYLA AQILA ARGIA

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LinkedIn: Nayla Aqila Argia

SUMMARY

Born on February 5, 2006, in Jakarta. A passionate undergraduate student with a keen interest in IT and a fascination for the world of astronomy. Eager to explore the intersection of technology and space sciences.

INTERNSHIPS & WORK EXPERIENCE

SkyWorld TMII Space educational tourism	1-28 Feb 2023
- Led tours and provided detailed explanations of the SkyWorld exhibition. - Served as a Planetarium moderator, explaining astronomical events to visitors. - Enhanced visitor experience through engaging and informative presentations.	
RoboticKidz Robotic, Computer & Creativity education center	16-28 Feb 2022
- Assisted in building LEGO robots for student learning activities. - Supported the teacher in facilitating robotics lessons. - Learned and utilized software for creating 3D LEGO models.	
MUNASAIN Indonesian National Museum of Natural History	1-15 Feb 2022
- Developed engaging Instagram content showcasing museum exhibits and Enhanced social media. - Enhance social media presence and audience engagement through creative design and strategic content planning.	
SkyWorld TMII Space educational tourism Freelancer	20 May-31 July 2024
Created educational astronomy content for a YouTube channel and guided participants in telescope usage during SkyWorld events.	

EDUCATION

IPB University	2025-now
Majoring in Software Engineering	
SMA ABhome	2021-2024
Non-formal education program equivalent to high school.	
- Specialized in Science to pursue my interests. - Participated in diverse activities, including backpacking to Malaysia and Live-In programs.	
SMP Daar En Nisa	2018-2021
Junior high school	
- Attended an all-girls school focusing on comprehensive life skills. - Learned cooking, knitting, and various other practical skills.	

ADDITIONAL INFORMATION

- Technical Skills:** Photography, Videography, Basic Programming (HTML, CSS, JS, Java, Python), Graphic Design (Adobe photoshop, Canva), Digital Drawing (Ibis paint).
- Languages:** English, Indonesian
- Awards:** Gold medalist Astronomy OPN-SP (YAPRESINDO 2022), Favorite winner Astronomy poster competition (ASTREC ITS | 2022), 2nd Winner Astronomy poster competition (ASTREC ITS 2023), 3rd Winner Digital poster (ITFEST IPB 2025)

EDUCATION



SMP Daar En Nisa



Daar En Nisa is the first Islamic secondary school only for girls in Bogor City.

SMA ABhome

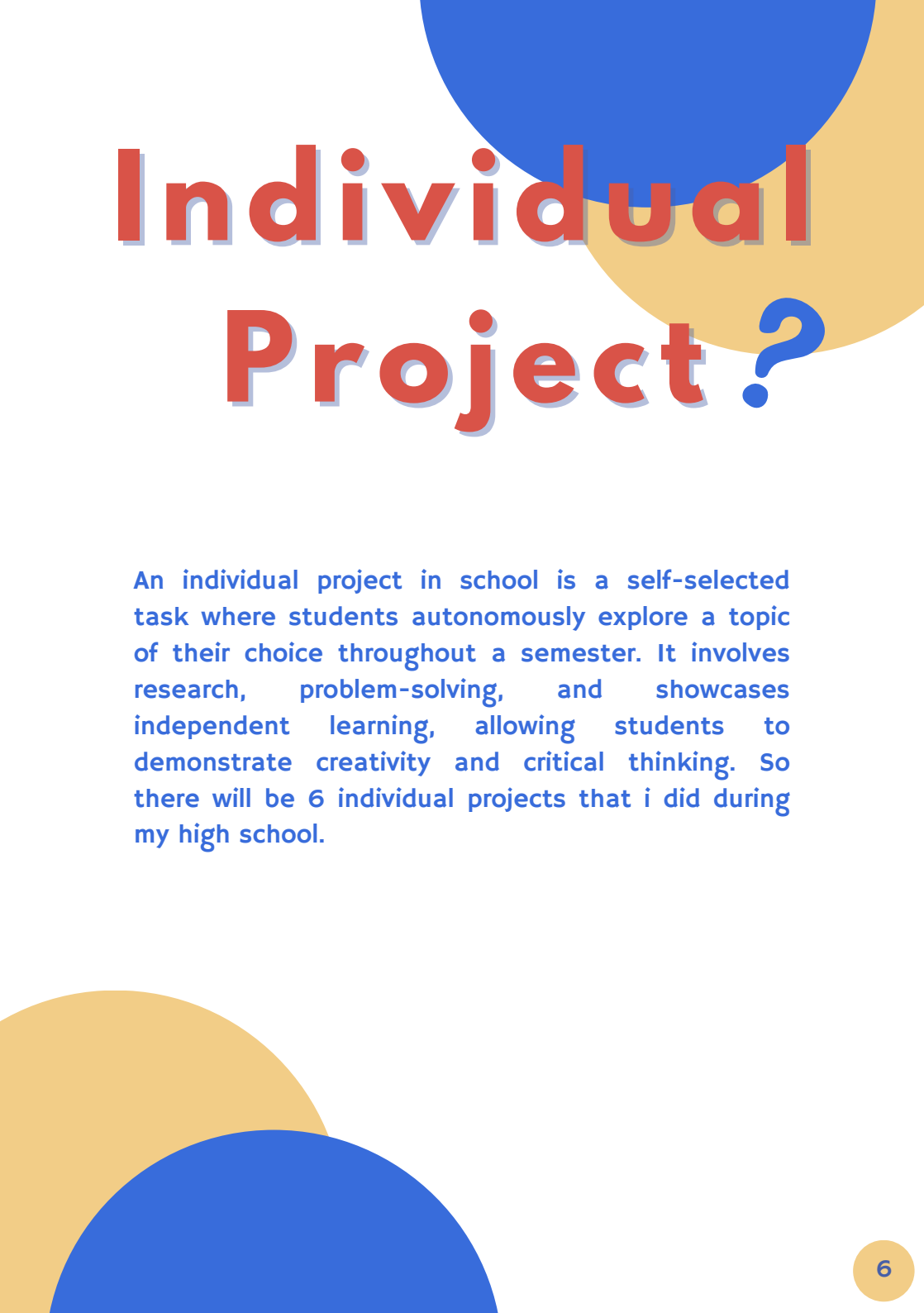


Non-formal high school equivalent program focused on developing students' interests, talents, and strengths through Strength Based School Management.

IPB University



Software Engineering Technology (Applied Bachelor's Degree) at IPB University, focusing on software development and system design.



Individual Project?

An individual project in school is a self-selected task where students autonomously explore a topic of their choice throughout a semester. It involves research, problem-solving, and showcases independent learning, allowing students to demonstrate creativity and critical thinking. So there will be 6 individual projects that i did during my high school.

Robotic Building

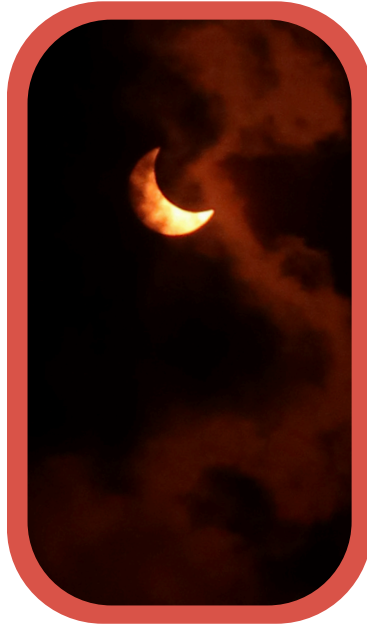


The Robotic Building is my first individual project choice. From the beginning, I've been intrigued by the world of robotics, curious about how such tools can function. I choose to learn at **ROBOTICKIDZ** to understand robotics from its basics.



Astrophotography

I engage in astrophotography as a hobby since my childhood interest lies in photography, and I also enjoy studying astronomy. I combine these two passions in my astrophotography project, where I capture images of celestial objects during the nighttime.



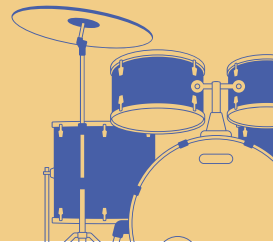


Beats and Taps



In my third project, I've started exploring music, particularly drums. I enjoy watching drum covers on YouTube and spent two months learning drumming basics at **PURWA CARAKA** Music Studio. You can check out my drumming results on my YouTube channel by scanning the QR code on this page.

Scan QR here !



Astronomy theme Website



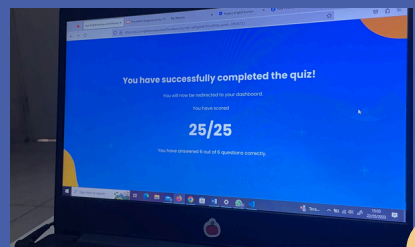
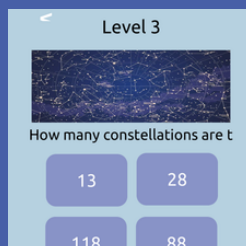
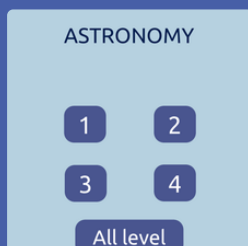
Built a responsive astronomy-themed website using HTML, CSS, and JavaScript, featuring an interactive and user-friendly design.

Link: space-web-naylarga.netlify.app/



I also crafted a prototype astronomy quiz application using Thinkable.

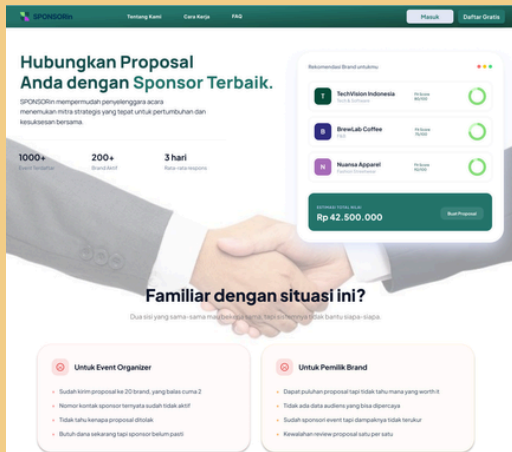
The view of my Astronomy quiz app



UI/UX Design

Designed the UI/UX of SPONSORin, a platform that connects event organizers with potential sponsors. The project focused on creating an intuitive user experience, user flows, wireframes, and responsive interfaces to simplify sponsorship discovery and collaboration.

Prototype:



SPONSORin hadir untuk menyelesaikan ini — untuk kedua pihak, sekaligus.

Cara Kerja SPONSORin

Empat langkah sederhana, dirancang untuk dua sisi yang berbeda.

Saya Event Organizer Saya Pemilik Brand

Buat Proposal
Isi detail event, target, lokasi, target audience, dan informasi sponsorship yang kamu butuhkan.

AI Carikan sponsor yang cocok
Sistem kami menggunakan profil audience dan karakteristik branding dengan tujuan brand.

Kirim Proposal
Kirim ke satu brand atau banyak sekaligus.

Dana Cair
Bayar setelah deal selesai, 50% dana langsung cair ke akunmu, dan sisanya cair ke brand.

Apa Kata Mereka yang Sudah Kami Wawancarai

Selama ini kirim proposal ke kayak banyak brand ke luar. Ga tau ngapain aja yang gitu gitu karena ada yang. Kalau ada yang bisa kasih tau struktur acara apa, time, itu game changer banget.

Siti A.
Event Organizer, Indonesia

Yang paling saya butuhkan itu data audience yang bisa dipecahkan. Bukan cuma 1000 orang, tapi gender, umur, lokasi. Kalau ada platform yang efisien ini, saya jauh lebih yakin buat next.

Maya S.
Brand Owner, Brand Coffee, Indonesia

Begitu yang paling sering itu proses pembayaran yang lambat dan tidak transparan. Kalau ada sistem yang gitu ini dengan jelas, kerja sama dengan EO jadi jauh lebih profesional.

Dina M.
Brand Owner, TechVision Indonesia

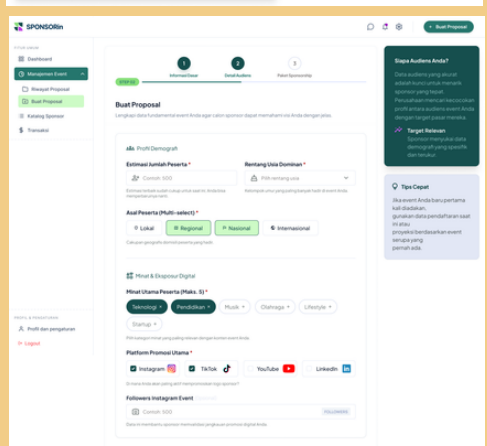
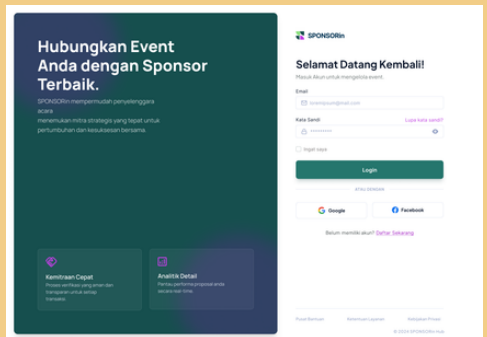
Pertanyaan yang Sering Ditanyakan

Apakah SPONSORin gratis untuk digunakan?

Pembayar dan penerima untuk SPONSORin semuanya gratis. SPONSORin menggunakan sistem keadilan yang adil dan transparan untuk kedua pihak. Tidak ada biaya tambahan.

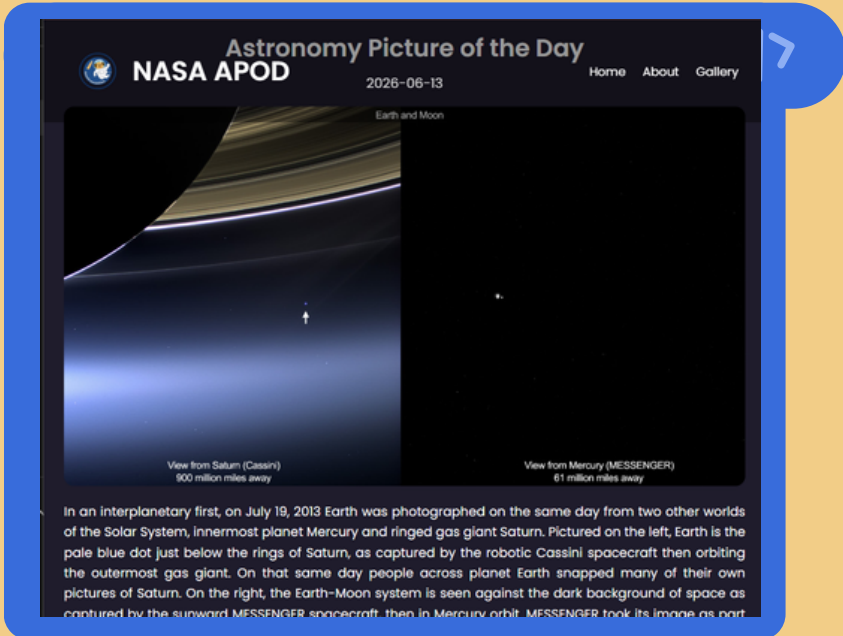
Bagaimana sistem bekerja? Apakah dana saya aman?

Sistem apa yang bisa membantu sebagai EO?



NASA APOD API

Link: nasaapodre.netlify.app/



Redesigned and developed a responsive Astronomy Picture of the Day (APOD) website using the NASA APOD API. The project involved fetching and displaying real-time astronomical content, improving the user interface and user experience, and deploying the website for public access.



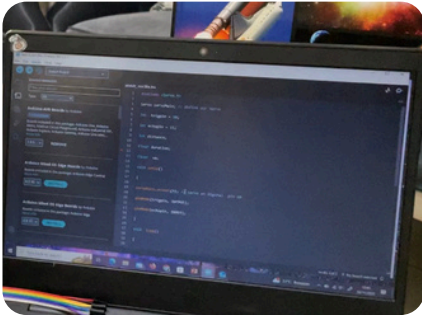
© All Rights Reserved By Nayla Argia

Smart Dustbin

In this project, I aimed to transform a regular trash bin into an automatic one with sensors. I utilized a tool called Arduino to assist me in creating this Smart Dustbin. I self-learned the process through the internet, and the Smart Dustbin can enhance the efficiency of waste disposal.



From the three pictures below, it can be explained that the smart dustbin will open automatically if there is an object in front of the sensor, approximately 10 cm away, so that the trash to be deposited can easily go in.



1



2



3



Social Project

1. Biopore



Creating biopores is beneficial as it enhances soil aeration and water absorption, promoting healthier plant growth. Me and my group initiated biopore holes in a mosque located in West Bogor.

2. Provide food to those in need



During backpacking activities in Malaysia, there is a social project involved: sharing food with the homeless on the streets.



3. Social services

Social project: selling second-hand items with low price and sharing groceries.



In this activity, I was tasked with documenting the event, creating event banners, designing grocery coupons, and assisting in the distribution of groceries.



Backpacker

School project to Malaysia: Backpacking here involves organizing travel activities and exploring a place with a modest budget, staying in affordable accommodations, buying reasonably priced food, yet still enjoying the journey. Here, I am backpacking with my schoolmates, and our destination is Malaysia.



Malaysia backpackers



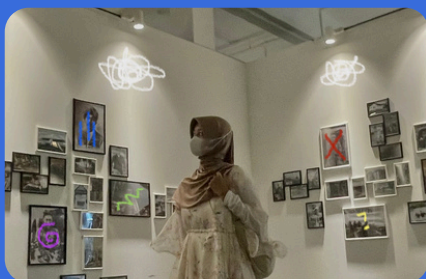
1. Kuala Lumpur

When visiting Malaysia, it's a must to visit the Twin Towers! I took the train as public transportation to get there.



2. Batu Caves

Batu Caves is also a must-visit place, where I can learn about the history of Hindu religious beliefs and admire the beauty of the buildings there.



3. Pasar Seni

The Central Market is the perfect place to hunt for souvenirs before I leave Malaysia. This market offers unique and diverse items for sale.



4. Genting Highlands

Genting Highlands is a very famous tourist destination in Malaysia, and the cable car ride is one of the must-try attractions there.

More from backpackers



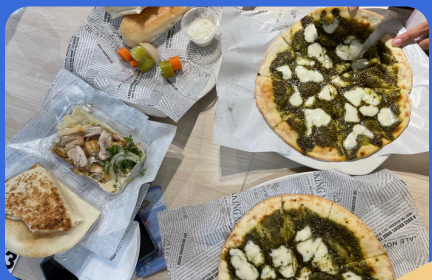
The photo beside is a picture taken at Genting Highlands, where we explored the mall and enjoyed exciting games there.

On our first day as backpackers, we strolled around Pavilion KL, searching for a typical Malaysian dinner.



On our last few days, it wouldn't feel complete without souvenir hunting, inside the Twin Towers, where we also hunted for souvenirs before heading home.

My friends and I tried Middle Eastern food there, called Cheese and Zaatar pizza. After eating it, I realized that the taste of food can vary from country to country.





Live In

Live-in means staying together with others for some time. It's like living in the same place, doing things together. It could be for work, social projects, or just sharing experiences. It's a way for people to be close, work together, and have a common goal.

Hanjeli



Hanjeli, my first live-in experience in high school, is an Edu-tourism village known for its local cuisine. From harvesting and pounding Hanjeli to crafting accessories and enjoying Hanjeli's Nasi Liwet, it offers a diverse range of attractions showcasing the richness of local culinary traditions.



Tanoker



Tanoker (meaning "cocoon" in Madurese) is a community learning initiative in the Ledokombo region of Jember. In Tanoker, I engage in various enjoyable activities with the community, including crafting dolls, making bracelets, playing in the mud, and camping in the midst of the forest.



Pakedjen



Pakedjen is the name of a hamlet in Karangjengkol Village, Kutasari Sub-district. The live-in activities in Pakedjen have crafted unforgettable experiences, ranging from producing palm sugar, roasting coffee beans and tea leaves, trekking in the Pakejen forest, to harvesting pineapples. The live-in culminated in a show-up event, where my group presented a traditional dance.





Internships

Internships are hands-on work experiences that provide students, including those in high school, with the opportunity to gain practical knowledge and skills in a specific field.

- **MUNASAIN I 2022**
- **RoboticKidz I 2022**
- **SkyWorld TMII I 2023**



MUNASAIN

Museum Nasional
Sejarah Alam Indonesia

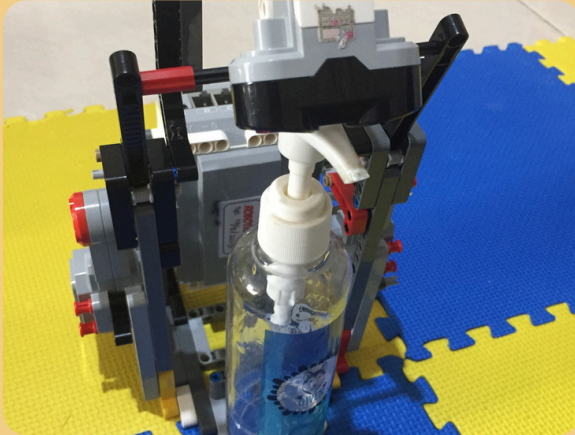


a museum in the city of Bogor which stores collections and explanations of Indonesian natural history regarding the relationship between various biological resources and ethnography in the Indonesian region. I interned as a content creator for 3 weeks here, involving tasks such as content selection, summarization, writing, and editing before uploading on the MUNASAIN Instagram.



RoboticKidz

Robotic, Computer & Creativity
Education Center



During my internship, I had the opportunity to create an automatic hand sanitizer using provided LEGO equipment. I also learned to design 3D LEGO models on the computer. Additionally, I assisted my supervisor in assembling LEGO robotics for other students.

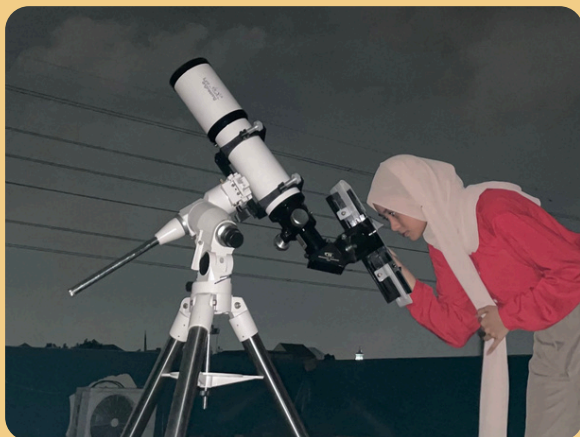


SkyWorld

Space educational tourism at
Taman Mini Indonesia Indah



At SkyWorld, I got a task to be a planetarium moderator, exhibition tour guide, and design creator for student worksheets and the planetarium schedule.



Lembar Kerja Siswa
Tingkat PAUD - TK

Nama : _____ Nilai : _____
 Sekolah : _____
 Kelas : _____

Tarik garis pada gambar planet dan nama planet masing-masing

	☐	☐ Bumi
	☐	☐ Merkurius
	☐	☐ Venus
	☐	☐ Uranus
	☐	☐ Neptunus
	☐	☐ Saturnus
	☐	☐ Mars
	☐	☐ Jupiter

Terima Kasih

JAM TAYANG
PLANETARIUM

'SENIN-JUMAT'

	11:00	
	14:00	
	16:00	

"Jam tayang sewaktu-waktu dapat berubah"

   SKYworld



Community & Events

Community and events are extracurricular activities that I participate and do besides mandatory school activities, including various experiences beyond the confines of formal education.



HAAJ

Himpunan Astronomi Amatir Jakarta (HAAJ) is an Indonesian amateur astronomy community based in Jakarta, with the aim of popularizing astronomy to the public. HAAJ is headquartered at the Jakarta Planetarium and Observatory.



I joined HAAJ to deepen my understanding of astronomy. I actively participated in Astrokids, an astronomy lesson for children, where I served as a committee member and assisted participants in creating astronomical crafts.



HIMAVO MICRO IT



Public Relations Staff at HIMAVO Micro IT, IPB University. Responsible for communication and external relations, and actively contributed to organizing the comparative study program to strengthen collaboration and exchange insights with other student organizations.



Yard Sale

Before the school-organized backpacking event, I had the opportunity to conduct fundraising. As the head of this events, I organized a "Yard Sale," where I sold affordable second-hand clothes and items.



The event proceeded successfully, contributing to the overall success of the fundraising efforts for our backpacking adventure.



Traditional dance

During my school's open house event, I volunteered to bring vibrancy by showcasing a traditional dance with my dance group. I presented the Saman dance, dedicating a month to practice for the performance, contributing to the cultural richness of the event.



Saman dance from Aceh is more than just a performance; it conveys messages of education, religion, and etiquette, representing the rich cultural values of Acehnese traditions.



Jacket Logo

As part of a class project, aside from the backpacking trip, we collaborate on creating matching jackets for our batch. I was assigned the task of designing the logo to be affixed on the jackets.



I designed the logo by drawing the icons of each of my friends, then combining them into the school logo.



Contact Me !



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@naylargaia



Nayla Aqila Argia





**LET YOUR DREAMS BE BIGGER
THAN YOUR FEARS & YOUR
ACTIONS BE LOUDER THAN
YOUR WORDS**