



# My *green* stories



**youth**  
environment  
living labs



Supported by







# My Green Stories

From September to November 2022, Perbadanan Putrajaya (PPj) in partnership with the Youth Environment Living Labs (YELL)\* organised an eco-story writing competition for the participation of students of secondary schools in Putrajaya.

The competition aimed to use storytelling as a medium to inspire environmental and climate awareness among students, while raising awareness of PPj's low-carbon city aspirations.

The eco-story writing competition was themed 'Our relationship with nature: Then, now, and beyond'. 'Then' aims to encourage students to extract stories from the elders of the community on the history, memories and their experiences interacting with nature, using it as a prompt for students to self-reflect on 'now' - the environment and nature aspects within the present-day context. 'Beyond' prompts students to reflect on the futures they want (or do not want) in relation to the environment and their climate.

This Green Stories features selected photo essays and video essays from students aged between 13-17 years old. We applaud the students who contributed to My Green Stories' making.

\* The Youth Environment Living Labs (YELL) is a joint programme of the United Nations Development Programme (UNDP) Malaysia, Singapore & Brunei Darussalam and the United Nations Children's Fund (UNICEF) Malaysia, supported by Amanah Lestari Alam (ALAM). Visit <https://yell.my> for more information.

## Picture Essays Winners

1.	Muhd Zikry Bin Mohazmi	SMK Putrajaya Presint 8(1)
2.	Faten Binti Mohamed Hatta	SMK Putrajaya Presint 5(1)
3.	Sadthana A/P Vijayarao	SMK Putrajaya Presint 8(1)
4.	Muhd Syazmil Aiman Bin Shamsul Azhar	Sekolah Sultan Alam Shah
5.	Sofia Amani Farahiyah Binti Nor Azam	SMK Putrajaya Presint 8(1)
6.	Aishah Hadrirah Binti Kairulanuar	SMK Putrajaya Presint 5(1)
7.	Nur Auфа Binti Mazree	SMK Agama Putrajaya
8.	Hanis Insyirah Binti Mohd Saufi	SMK Putrajaya Presint 11(2)
9.	Sofhian Altaf Bin Suhaimi	Sekolah Sultan Alam Shah
10.	Dareen Iman Binti Dinomasradi	SMK Putrajaya Presint 5(1)
11.	Damia Batrisyia Binti Mohd Hamsari	SMK Putrajaya Presint 16(1)
12.	Nur Adriana Batrisya Binti Sabri	SMK Putrajaya Presint 16(1)

## Video Essay Winners

1.	Tan Teng Xuan	Nexus International School Malaysia
2.	Nurul Farhanah Binti Mohd Azizi	SMK Putrajaya Presint 16(1)
3.	Jasmine Ayesha Binti Muhammad Hazam	SMK Putrajaya Presint 5(1)
4.	Nilam Aiman Bin Mohd Rushdy	Sekolah Sultan Alam Shah
5.	Nur Husna Najihah Binti Adnan	SMK Putrajaya Presint 16(1)
6.	Muhd Shakir Iman Bin Mohd Russaini	SMK Putrajaya Presint 9(2)
7.	Nur Wajihah Binti Mohd Zairi	SMK Putrajaya Presint 14(1)

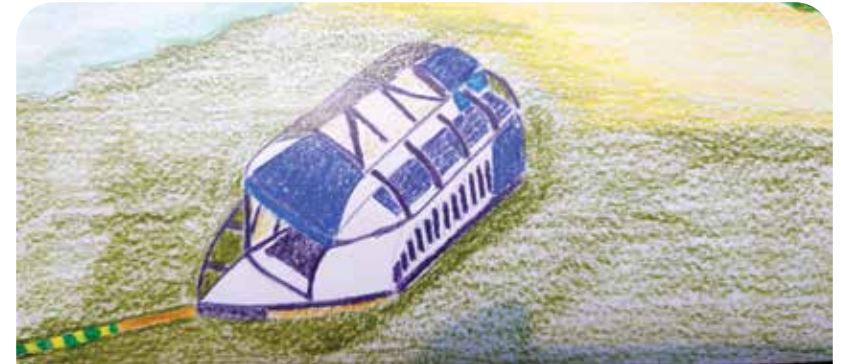
# Our Relationship with the Environment: Then, Now, and Beyond

by Muhd Zikry Bin Mohazmi  
from SMK Putrajaya Presint 8(1)

It was a warm and sunny day. The sunlight reflected on the surface of the old milk tins neatly arranged in a row. Zain was putting the finishing touches on one of the tins. He had painted a yellow sunflower on this one, perhaps inspired by how bright the sun was. His father looked at it admiringly. He might actually grow a sunflower in this milk tin-turned flower pot. Zam, Zain's father was very proud of his garden, or 'poghak' as he called it in his Negeri Sembilan dialect. A mechanic by trade, his finances were a bit tight, so he supplemented it by growing vegetables and fruits in the patch of land around his house. Zain would help him. They had just finished preparing another batch of old tins he had collected to turn into planters. "Karang buek koko sekolah. Jangan moghaban. Colik mato dek ilmu di dado," Zam reminded his son.

Zain looked up and smiled at the memory. It's much hotter these days than he remembered. "Global warming," he sighed. He took out the trash and neatly separated it into glass, paper, plastic and aluminum for recycling. It was a good move by the government to implement the separation of household solid waste in 2015. Each Malaysian generates an average of 1.44kg of general waste daily, while 55% of that can actually be recycled. There wasn't much space for planting around his terrace house, but he still had a few milk tins in which he grew bird's eye chili, a reminder of his childhood. He was proud that he continued his father's legacy of upcycling.

Today, Zain was taking his son Zuhair to volunteer in the River Care Programme. They were headed to clean the Klang River. Currently, 5% of our river basins are severely polluted & 42% are polluted. Only 53% of all rivers are classified as clean. Zuhair was very excited to participate in the clean-up. Although Interceptors have been used to clean the rubbish in the river, there is still a lot more they can do to help.



Lost in thought, Zuhair turned on the tap and filled his glass with water. He quickly took a sip and was amazed by the clarity of the water. It had certainly improved since his childhood days. He felt proud that their conservation efforts were beneficial. They could now get potable water straight from the tap. On his way to work, he reflected on how far the nation has come. The light rail transit (LRT) was fairly packed today. He was happy that many people were reducing carbon monoxide from being released into the atmosphere.

He arrived at his workplace, the National Wind Technology Centre in Kuala Terengganu. Today was a big day, as they would be testing out the wind turbines just off the coast. Studies have shown that coastal areas have good potential for wind energy. Should this project be successful, this will open a new chapter in the utilisation of renewable energy in Malaysia. Zuhair smiled at the prospect of further reducing the carbon footprint for a better tomorrow. Each generation has a part to play in preserving the environment for the next generation. It is our hope that we continue to strive for conservation and preservation for a bright future.



# Green Hearts for Greener Lands

by Faten Binti Mohamed Hatta  
from SMK Putrajaya Presint 5(1)

As we all know, preserving the environment has always been a necessity so we can ensure our beloved Mother Nature does not lose to climate change. Intuitively, not a lot of people realize that communities play a key role in environmental conservation. Look at your surroundings — the cool misty air, fresh dewy grass, and warm sun's heat are all thanks to your community's efforts to heal and conserve the Earth. Yet, this supposed "common sense" remains glossed over by the people, and I am no exception to this fact.

Do you realize that your local park, playground, or community garden is considered a preserved open space? A great example of a local park with recreational amenities is Taman Seri Empangan, Presint 5, Putrajaya. Situated near a river, Taman Seri Empangan facilitates the movement of water to prevent floods while also providing nutrients to the soil and replenishing water supplies. The park also has a playground, running tracks, and a large open space for recreational activities. It so happens that this park used to be my mother's favourite spot to jog and do aerobic classes while in her mid 30's, which was around 2007 — the year Taman Seri Empangan was made open to the public. Being a recently established park at that time, the maintenance was somehow less than stellar, therefore my mother and her aerobic class members would often initiate a bunch of small events that help improve the environment while developing healthy habits in the process.

Each member was encouraged to bring a small trash bag and gloves to pick up waste at the end of every session. They also occasionally jog together around the park while picking up litter along the walkway. This action is also known as plogging, which refers to picking up litter while jogging or working out; although this specific term was introduced later during 2016-2018.

One of my mother's friends would do the "toppling tree pose" while bending down to pick up litter. It was such a clever idea that everyone

started following suit. Small contests with rewards provided are also held as an incentive. Once everyone has finished picking up their litter, they would gather and estimate which one collected the most waste and decide the winner. All of the litter then will be sent to the nearest recycling point, such as Pusat Kitar Semula Komuniti Putrajaya in Presint 9.

With constant participation by community members, these green lands can benefit both the environment and humankind. Not only will it help improve the environment, but it also creates a homely atmosphere for community members and boosts people's satisfaction through their usage of green spaces. Who doesn't like playing around with monkey bars and reaching for the skies by swinging? Recreational spaces like these also boost the local economy through ecotourism provided that it's promoted in the right hands. With profit comes money, so we should strive to make good use of it by making an extra effort to improve the local environment.

## FUN FACT!



According to the WWF-Malaysia, post-consumer plastic waste generation in Malaysia is estimated to be more than 1 million tonnes (1,070,064 tonnes, to be precise).

You can earn up to RM100 a month by sending what you collect to the Putrajaya Recycling centre!



Image source: Nuruliah Nadhirah Bt Mohd Zulrushdi

# Together, Our Dream Becomes Reality

by Sadhana A/P Vijayarao  
from SMK Putrajaya Presint 8(1)

I once heard a story about a place so beautiful it's the pinnacle of the word 'incomprehensible' by definition. Luscious green trees stand up as tall as the skies could reach providing garden-fresh air that fills up the lungs making you wish life was longer than it ever lasted. The leaves adjust colour following how the seasons pass by. This statement somehow never even bothered my fear of change, it was a part of life that made all the time ever so meaningful.

That simple narrative of how the world should be hauled me to look through the window. I knew it from the start, that bedtime story my grandma used to tell me was all just a fairy tale straight out of a far-fetched utopia. It may be because the leaves never turn a shade of yellow or red in the yearly process, being in a South East Asian country on the equator meant it was humid tropical weather all months around.

However, something drove me deeper into thoughts when I noticed that it wasn't that we needed cherry blossoms to bloom from the woodland of our tanah air, but actually the mindsets that we so delve to seek are essential. I already take such pride in our juicy grilled satay, the ever so aromatic laksa, and of course, the infamous nasi lemak which plays an important role as my favourite dish. Alamak! I'm already too distracted listing down these mouth-watering dishes - I almost forgot what our topic of discussion was.

I study the view from my opened balcony to try and see the truth behind my grandma's words. Factories releasing such pungent smells accompanied by thick black smoke become my scenery. People try to convince me that all this mess is for a good cause, money. Are we really making cash by destroying the well-being of ourselves all for the sake of materialistic matters? Is it really worth risking the environment and (forsake) the health of our citizens? I thought no to myself.

I guide my sight elsewhere and that's when I see a more monstrous crime being held, littering. It may seem like a small act of injustice but from where I see it, a more disastrous scene is about to commence. It all starts with an irresponsible drop of a plastic candy wrapper on the magnificent bridge by the lake. Then it's followed by a sweaty jogger too tired to avoid the litter thus resulting in his fall. However, the story doesn't end there. Tragedy swept more when that innocent piece of wrapper flew more by the wind dropping by the lake's now polluted waters. Fish rush and fight over it in the hopes of easing that growling stomach of theirs.

\*Sound of a door slamming\*

I see my excited mother dashing into the kitchen with hands full of ingredients. Being the good and amazing daughter I am, I proceed to offer help. Scheming through the groceries I bought, I noticed a pattern, belacan, cili kering, bendi, jintan putih and jintan manis. From that, I knew what was to come next, a scaly gill-breather... \*gulps\* a fish. It worries me to see how one person's actions are capable of changing one person's perspective on an asam pedas cooking. For all I know, this fish may have just consumed plastic in the last 24 hours of its life much like what I had witnessed earlier and in another hour or so the plastic in the aquatic being's belly will be digested on its own. A peribahasa I deem suitable in this case would be ada ubi ada batas, ada budi ada balas, except I didn't have to be charged guilty to face the consequence.

We're all in this together (inserts High School Musical theme song), meaning if we want to make a difference within society today, it must begin with me and surely, you too. Let's make my grandma proud by making her hopes of reality real and more than just a story to be told instead of a dream to be made true.







It is no secret that Malaysia is a food haven of Southeast Asia, reflecting tales of our tradition, culture, and people.

However, most of our dishes contain meat when we consider the murky underside of our cuisine. Livestock and manure lead to a crucial amount of greenhouse gas emissions, contributing to issues such as deforestation, climate change, and flooding.

Yet when we look around us, there are inspiring heroes both young and old- looking for change such as Umair and Pei Sze. For the average person, giving up meat might be absurd. But you don't have to go completely vegan; if everyone cuts back on their overall meat intake, this will reduce the demand for meat and the number of emissions overall. Let's all play a part in halting climate change by making small but meaningful tweaks to our diet!

- Tan Teng Xuan  
from Nexus International School Malaysia



The reason I made this video is to tell people how important it is to protect the environment for our future. I want to encourage people to practice the 3Rs in their daily lives. I hope this video can help open people's eyes and mind to change our world to become more greener than now.

- Nurul Farhanah Binti Mohd Azizi  
from SMK Putrajaya Presint 16(1)



# Ruthless Tide: A Story to be Told

by Muhd Syazmil Aiman Bin Shamsul Azhar  
from Sekolah Sultan Alam Shah

Heavy rain covered the bright moon of Kelantan that once shone beautifully. Sadness and hopelessness filled a 17-year-old boy named Aaron as he was swimming desperately looking for shelter. His burden worsened as he was separated from his family during the flood. Carrying small injuries and bruises, he finally found a tall roof to stay at. The rain started to get more extreme and his hope to survive started to fade. The fact that he lost his family makes it more difficult.

Aaron felt guilty as he can't do anything in this situation. All he could do was just cry. The sorrowful feeling that filled the Malaysian community as climate issues such as flood happens every single year. Our people are still unaware of how tragic it is to experience floods because they haven't experienced them firsthand.

"If only people started to care about the environment, we wouldn't need to experience this disaster," said Aaron. Disconsolate tears coming down from his eyes. Aaron's past flashed in his mind as he remembered the joyful moments he shared with his family without having to worry about the natural disaster. His lovely home that once stood strong is now washed away by the heavy flood. As Aaron started to close his eyes, someone suddenly shouted, "Ada seorang dekat situ, pusing bot cepat" (There's someone there, turn the boat right away). Aaron is saved and he is brought to the evacuation center.

They arrived at the location and Aaron was quickly sent to the medical team to get his injuries treated. The voices of crying children who seek their beloved parents were everywhere and the gloomy mood surrounded every survivor of the flood. On the brink of consciousness, Aaron passed out as he was tired. As the day passed, Aaron woke up in the middle of the bed. To his surprise, his family that was separated during the flood are sitting right beside him. "Ibu , Aaron dah sedar!" (Darling, Aaron has woken up ! ) said Aaron's father. Long-gone happiness was brought back with tears of joy as the family huddled. Aaron's parents mentioned that it was a brave rescuer who helped

them get out of the extreme flood. Hearing their heroic action, only God knows how much gratitude Aaron has towards them.

5 years have passed, Aaron became a member of the Malaysia Medical Relief Society (MERCY). Past events that occurred in his life developed him to become a volunteer who shares love and compassion towards the Malaysian people who experienced natural disasters. The blitheness, smile and light-hearted atmosphere around the victim of every natural disaster is what Aaron aims for. He also became one of Malaysia's famous motivational speakers who shares his experience with the younger generation about helping the victims and the crucial importance of how Malaysia as a united community needs to take care of the environment. Aaron's agenda has been recognised and gained a ton of awareness in every corner of Malaysia.

This is Aaron's way of protecting the environment. But it doesn't mean that all of us need to become motivational speakers, a simple and tiny action can make a big difference if everyone takes responsibility. In the end, what will you do as part of the Malaysian community to protect it? Maybe it is time for you to create your own story on how you can contribute to save the environment before it is too late.

## FUN FACT!

In 2022, floods caused over RM6.1 billion in losses.

To prevent such terrible economic losses, we can help to reduce the severity of floods in our country by constantly clearing the local drains of rubbish.





# The Here and Now

by Sofia Amani Farahiyah Binti Nor Azam  
from SMK Putrajaya Presint 8(1)

A good relationship between humans and nature is essential to live a lavish life. Why exactly do I say this? It is because research shows that people who have a healthy connection with nature are usually happier in life and generally feel that their lives are more enjoyable. In addition, being surrounded by nature and having a good relationship with it will give tons of benefits. For instance, it will help to generate many positive emotions. It does that by giving us a sense of calmness, joy, and perhaps even some peace of mind. Not only that, but trees emit oxygen which helps us to breathe fresh air every day, every second. As I have recently learned from my science textbook and through the internet, if humans do not practice effective biodiversity management, our beloved planet Earth will be disrupted and the balance of the ecosystem might even crumble to the floor.



As time goes by, the relationship between humans and nature may have changed. Personally, I can proudly say that mine has changed for the better. In the past, I did not have much climate or environmental awareness. It may be a little shameful to admit that I was quite disinterested in anything related to the environment as I thought, "I am just one person. Nothing I do will make a difference in the world." But, I have to let go of that mentality as everyone should too because we should know that the smallest thing can make a change, as the proverb "*Sikit-sikit, lama-lama jadi bukit*" (A journey of a thousand miles begins with a single step) states. If every person in the world had this mindset, Earth would definitely be a much better and more progressive place.

My mother once told me that she and her family members used to go on picnics every weekend beside the waterfall at Kota Tinggi. When they were done with the day, they would do a gotong-royong every single time, clean up all of the trash they could find around the area, and compete on who collected the most trash. Then, they would bring all of it home and separate the items that could and could not be recycled. I hope to do the same with my family in the future and make the world a cleaner place together.

As the 'most intelligent species on Earth', we should all work together in protecting the beauty of nature so that our future generations will be able to appreciate it as well because "*Berat sama dipikul, ringan sama dijinjing*" (Bear the same problem, enjoy the same happiness).

# Sustainable Home Living

by Aishah Hadhirah bt. Kairulanuar  
SMK Putrajaya Presint 5(1)



Sustainable living is a way of life that aims to minimize our impact on global warming. We can live sustainably and influence the future in a variety of ways. Making this change in our life will not only help the environment but also make our surroundings healthier.

One of the ways is by reducing our energy consumption at home. This strategy will have a positive impact on the environment and ultimately cost less money for the family. Electricity bills might be worrying especially for middle-class income families or more so for the B40. They might have difficulties trying to balance bills and daily necessities. In my house, we try to use less energy to heat, cool, or light the home. We use electrical appliances that are energy efficient and ensure that lights are turned off when they are not needed. My family also installed LED lights as it uses much less energy hence reducing the usage of electricity in our home.



Growing vegetables at home is a great way to live more sustainably and healthier. My father has a garden patch where he plants vegetables that my mom uses for cooking. Some of these plants include lime tree, pandan leaves, spinach, and tumeric. All the common necessities for Asian cooking. While most people would simply throw away their food waste, our family frequently collects food scraps and utilises them as fertilizer to boost nutrients and improve the well-being of the plants. Furthermore, my family plants our vegetables in plastic bottles or detergent bottles, which saves money and protects the environment. Home gardening or urban farming isn't a new or unusual concept for most Malaysian families. I have seen numerous houses here in Malaysia that plant their vegetables especially if they have spacious backyards.

Likewise, water conservation is essential for preserving the environment. The majority of Malaysian families use the country's tropical climate as an excuse to prioritise their excessive water consumption. Our family uses mini water tanks in the bathroom for better water conservation. As we know, water conservation is very important for sustainable living, especially in meeting the rising costs of water bills. Apart from that, conserving water shows that we are being responsible for our water supply and using it wisely. Therefore, we use the water that is stored in the mini water tanks to clean our bathroom instead of using running tap water. I also sometimes use the water from the mini water tank for a short bath in the afternoon if it is too hot instead of the shower. As we are about to embark into the monsoon season, my father is planning to invest in purchasing a rain harvesting tank. The tanks storing the harvested water will be placed near my father's garden patch as a source for watering the plants.

When we understand how to live more sustainably, making the transition to a more sustainable way of life for us should be less difficult. With that being said, I hope the people of Malaysia will play their part in preserving the environment.





Our daily actions are seemingly small inconsequential acts but in fact, a concerted effort towards a major impact. There is a natural solution to save Mother Nature; defending and mending our Earth. This narrative essay is brought to you by Jasmine Ayesha.

- Jasmine Ayesha Binti Muhammad Hazam  
from SMK Putrajaya Presint 5(1)



This video is about the issue of littering and waste management habits of Malaysians that are prevalent yet harmful to the communities and environments in Malaysia. This habits will be explained in the video. Furthermore, im going to explain the ongoing littering issues then im going to provide solutions in the form of interviews. These interviews will give a general insight to resolve the littering issue that im focusing on. I hope you'll have a great time watching this short fun video. :D

- Nilam Aiman Bin Mohd Rusdy  
from Sekolah Sultan Alam Shah



# The Starter of Changes

by Nur Aufa Binti Mazree  
from SMK Agama PUTRAJAYA

Alam Semulajadi. Seharusnya ia menjadi teman baik dan sahabat kita. Tetapi, jika kita lihat di sekeliling kita sekarang, pelbagai pencemaran seperti pencemaran air dan pencemaran udara yang akan menyakiti sahabat baik kita A.K.A. alam semulajadi, sedang berlaku. Jika kita melihat pada masa lalu, bumi ini dikelilingi dengan ratusan pokok sehinggalah saya terfikir jika kita membuka pintu rumah, perkara pertama yang akan menyapa kita adalah sebatang pokok yang tinggi.

Tetapi apabila zaman berubah, dunia juga turut berubah. Pada masa kini, populasi manusia semakin meningkat dan mereka, maksud saya, kita semua, mula merosakkan alam semulajadi yang telah ditinggalkan dengan baik oleh orang-orang terdahulu. Jika kita berjalan atau melancong di mana-mana negeri di Malaysia ini, mustahil untuk kita mengatakan tiada satu sampah pun yang dapat dijumpai ketika berjalan. Sejujurnya, jika seseorang memberitahu saya bahawa dia tidak menjumpai walau satu sampah pun ketika melancong, saya tidak akan mempercayai kata-katanya. Satu sampah kelihatan seperti satu perkara yang kecil. Satu mindset yang mengatakan seperti 'alah, aku sorang je buat, bukannya orang lain buat pun', akan mendorong kepada kemusnahan planet ini. Bayangkan jika semua penduduk di bumi ini mempunyai mindset yang sama, saya memang akan terus tempah roket dan terbang jauh untuk menetap di planet lain kerana tidak lama lagi bumi ini akan musnah.

Kini, kejadian pemanasan global semakin menjadi-jadi. Ia adalah salah satu cara planet kita ingin memberitahu kita yang ia sedang sakit. Ais di kutub semakin mencair, kebakaran di hutan berlaku secara tiba-tiba, ini semua terjadi disebabkan kita tidak menjaga dan melindungi alam semulajadi dengan baik. Tidak perlu risau, masih belum terlambat untuk kita membaik pulih bumi ini. Jika kita buat sedikit demisedikit, lama kelamaan usaha kita akan menggantung menjadi sebuah bukit kejayaan.

Kita boleh mengamalkan amalan 5R iaitu *Reuse* yang bermaksud guna semula, *Reduce* yang bermaksud mengurangkan, *Recycle*

yang bermaksud kitar semula, *Rethink* iaitu fikirkan semula, dan juga *Repair* iaitu membaiki semula. Bukan itu sahaja, kita juga boleh mengurangkan penggunaan elektrik seperti mencabut plag daripada soketnya dan menutup suis elektrik jika tidak digunakan. Jika kita mula melakukan perkara-perkara ini sekarang, mungkin dalam beberapa tahun lagi, kita dapat menghirup udara yang lebih segar dan air sungai dan laut yang lebih bersih. Jadi, mari kita mulakan perubahan untuk melindungi planet kita dengan cara yang betul. *The Changes Starts With You!*

**REDUCE YOUR CARBON FOOTPRINT!**

**MOTHER NATURE BEING THE BEST LIFESAVER**  
THEN NOW BEYOND

**THE CHANGES STARTS WITH YOU**  
NEW QUEST: SAVE OUR EARTH  
THINK, DOOR, AND BETTER

**LET'S BEFRIEND TREES**  
save our nature  
then.  
now.  
beyond.

In a report by Ipsos and MDPI, over 30 million plastic straws are used daily in Malaysia. That equates to 91.51% of the Malaysian population using a straw every single day!

Let's make a difference by ensuring our families don't use plastic straws. As the Malay proverb goes, "sikit-sikit jadi bukit."



# Ways to Help the Ecosystem

by Hanis Insyirah Binti Mohd Saufi  
from SMK Putrajaya Presint 11(2)

In December last year, my friend named Sophie was involved in a flooding case in Selangor, Shah Alam. Sophie had told me how it all started the night before when it was raining cats and dogs outside. Since she couldn't do much, she went to sleep and prayed for a better morning. Sadly her prayers were not heard because she was woken up by her mother's panic state as the house filled with water up to her waist. The next thing she knew, she was at a flood shelter and soon enough, some volunteers and I went to help out the victims that were involved in the flood. This experience of mine is why I came to the conclusion that the ecosystem is being destroyed by the ones who are living in it.

In the past and now, the destruction of the ecosystem has been getting worse by the day. There are many implications caused by disruptions such as flooding which happens to be the most common. Other than that, deforestation and overhunting also cause these disruptions. Therefore, the environment (government) has to take action and come up with ways to prevent these effects because the ecosystem is an important aspect when it comes to our daily lives.

First and foremost, we should come up with a method on how to stop floods. Floods are commonly caused by clogged drains and sewers. Not only that, we can frequently see rubbish that contains at the bottom of the oceans. Thus, we can use Interceptor to lessen floods. The Interceptor is a vessel that cleans up the ocean automatically. It's designed to catch plastics that flow around the river. It also runs continuously through day and night and gets power from solar panels. It's safe to say that this method does not cause harm and is extremely eco-friendly. Secondly, overhunting also harms the ecosystem because it depletes species' populations and also can lead to extinction. In short, the government should increase regulations and also take heavy action to lead a better environment so we, ourselves can lead a healthy and sturdy life.



Apart from that, the most common and simplest way to help the ecosystem is by going green. The term "Go Green" came from Jill Buck, a mother of three who started the initiative in 2002. Going green can be defined as gaining knowledge and practices that can lead to friendly and ecologically responsible decisions. Similarly, many benefits can be gained by going green. For example, it can help the community by inspiring others to join and emulate our environmentally friendly habits. We can also create campaigns that benefit each other like cleaning the neighbourhood or parks. In the same way, we ought to reduce the amount of pollution from soil, water and air. Rather, we can use alternative energy sources such as solar energy, wind energy and many more.

From my perspective, if we want to help the ecosystem, we will need to work together. However not everyone would agree to do so. We should educate them on the importance of helping the ecosystem because when doing something, you don't only need talent but also motivation. If we put in enough effort together, we can build a better ecosystem for ourselves and also for future generations.



In the video I will be showing a way of recycling, by making soap made from used cooking oil. The video contain, disadvantages of oil if not being managed properly. The benefits of the product to attract people to watch my video Why i made this soap. More explanation about 5R represents, Refuse, Reduce, Reuse, Repurpose and Recycle. It is also about how the government should take action about this matter. Lastly, my hope for the future.

- Nur Husna Najihah Binti Adnan  
from SMK Putrajaya Presint 16(1)



Here is my take on a lesser know pollution-noise pollution. Let us explore what it is, the causes of noise pollution, and how to stop potentially being a noise polluters.

- Muhd Shakir Iman Bin Mohd Russaini  
from SMK Putrajaya Presint 9 (2)





# Our Relationship with Nature: Then, Now, and Beyond

by Sofhian Altaf Bin Suhaimi  
from Sekolah Sultan Alam Shah



The air we breathe today is full of toxic and hazardous pollutants. Pollution is a big problem for our health and environment. Air pollution can be described as the contamination of the atmosphere by various pollutants that are harmful to all life and reduce visibility. Environmental damage resulted from improper resource management of unsustainable human activities. As a result, human beings are the main cause of air, water, and land pollution. There are several reasons to worry about air pollution, as it not only affects our health but also contaminates our earth. As a result, it is slowly degrading the quality of our life to live healthily in the future if we do not prevent air pollution from now. So, what are exactly the major causes of air pollution in our country?

Air pollution in Malaysia has many contributing factors but the main cause of local haze is due to burning of rainforests in Sumatra. Indonesia has been blamed for air quality issues due to its efforts to open up more land for palm oil production and other commercial

purposes. Smoke emitted from these burning activities has drifted to our peninsular and affected many living things simultaneously. On the other hand, vehicles are also one of the major contributors to air pollution especially in urban areas. When a car burns petrol, it emits toxic gas such as carbon monoxide in the air which is harmful to both humans and animals.

These activities have caused various negative effects to our earth and surrounding living things as well. One of the major impacts includes global warming leading to glacier melting at the North pole which increases sea levels and in turn submerges the coastal areas and islands. Furthermore, air pollution has resulted in a variety of respiratory disorders and heart diseases among humans. Based on statistics, cases of lung cancer have increased in recent decades while children living nearby polluted areas are more prone to suffer from asthma.

From all considerations, what should be done to keep our future society from getting worse due to air pollution? Several effective measures from our community include using public transport to ensure less contribution to air pollution as it uses less gas and energy. Carpooling, taking the bus and riding on trains are amongst good solutions to help to save money on petrol and car maintenance. Local public transportation such as Light Rail Transit (LRT), Express Rail Link (ERL), Mass Rapid Transit (MRT), and intercity commuter are eco-friendly since they are powered by electricity and can be run on renewable energy such as solar as well.

It can be concluded that air pollution is a major concern to most countries worldwide. It is everyone's responsibility to ensure the surrounding air that we breathe is clean and avoid doing activities that contribute to the pollution. We must protect the future generations and put more sustainable effort into making this world a better place.

## REDUCE YOUR CARBON FOOTPRINT!

Travel often for your lessons or to hang out?  
Get the Student Concession Card and enjoy 50% off your fare.  
You get to enjoy a quicker and air-conditioned ride in the  
Light Rail Transit (LRT), Express Rail Link (ERL),  
Mass Rapid Transit (MRT), and any other intercity  
commuters. Let's do our part to reduce pollution.

# Balancing Passion and Humanity

by Dareen Iman Binti Dinomasrudi  
from SMK Putrajaya Presint 5(1)

In this day and age of everlasting evolution, humans have come a long way from hunting raw materials and starting fires to, mobile vehicles and most importantly mobile phones. Mobile phones are an important asset in our society, giving us access to communication and information.

Even with all this information at our fingertips, the current climate crisis has been present for the past two decades and it's taking a turn for the worse. As an example, Malaysia experienced a devastating flood in the areas of Dengkil, Selangor, and Kuala Lumpur in December 2021 and early January 2022. The phenomenon was caused by our ignorance and lack of care for our environment.

Although mistakes have been made in the past, we could make a collective effort by doing small things however insignificant it may feel to save our beloved planet. Solving global warming sounds like a huge thing, and it is. This may be a way for us and our future generations to feel comfortable living on our planet.

Personally, I like to read. Buying paperback books and writing ideas on paper sounds like a fun Saturday morning but it got me thinking. By buying books and writing on paper, just how many trees have been cut down to satisfy my desire to read? And just how many more trees are being cut down to make books that won't even sell?

With the percentage of trees combined to make paper being 42%, and that's not even counting illegal logging activities, the number of trees that are being cut down is extremely large. So as a change, switching to web novels and ebooks can cut down the percentage of the unnecessary amount of trees to make paper.

Human desire is a terrifying and beautiful feeling. With desire, humans built machines, explored the vast sea, and landed on the moon. Though this desire also burned for destruction and wrongdoing. For

example, dolphin hunting. Even the name sounds eerie. Dolphins are being hunted in places like Peru and Japan for their fins, meat, and even their head. These creatures are killed by the thousands each year. This horrifying tradition may be one of the growing factors in dolphin extinction.

As a result, we must take action in spreading awareness through social media platforms and the government needs to strengthen its laws and be sensitive in these types of matters involving wildlife species. Even though we can't do much as normal civilians, we can still talk about it and spread the information to people that we know.

With humanity's collected effort in improving and learning from our mistakes, we can start to see changes in our ecosystem sooner or later. The effect may be slow and it can take decades if not centuries before our planet heals. Though that's not a reason for us to be intimidated. After all, we are humans, and humans tend to have the desire to achieve their goals no matter what.

## KEEPING AN E-DIARY



Expressing one's emotions and thoughts is integral to the growth and personal introspection.

Thus, let's create your own daily entry through an app on your electronic device. Revisit your personal notes one month later. Have you changed or improved in any way?



# Pencemaran Bunyi

ditulis oleh Damia Batrisyia Binti Mohd Hamsari  
dari SMK Putrajaya Presint 16(1)

**KENAPA BUMI MAKIN PANAS?** Persoalan yang selalu berlegar di pemikiran kita pada masa kini. Kita sering didedahkan tentang pencemaran tetapi yang menarik perhatian saya ialah pencemaran bunyi. Bunyi, siapa yang akan fikir bunyi pun boleh jadi satu pencemaran, bunyi tidak mengeluarkan sesuatu yang berbahaya kepada alam sekitar tetapi mengapakah ia menjadi salah satu pencemaran. Manusia merasai bunyi melalui deria pendengaran. Kita mengenali bunyi sebagai getaran yang melalui udara dan boleh didengar manusia. Pencemaran bunyi berlaku apabila terlalu banyak bunyi yang kuat. Bunyi diukur dalam desibel (db) dengan bunyi paling rendah diukur pada 0 db dan bunyi paling kuat diukur pada 194 db. Sebagai contoh, bunyi guruh selalunya akan berukur pada 120 dB, suara kicauan burung selalunya akan berukur pada 44 dB dan bunyi dari satu konsert rock akan berukur antara 110 ke 120 dB.

Di Malaysia sendiri kita dapat melihat di kota yang besar terutamanya Kuala Lumpur antara pencemar bunyi terbesar. Mungkin berpunca daripada kereta, kereta api ataupun trafik yang sentiasa sesak dan menyebabkan pencemaran bunyi yang tinggi. Peningkatan penggunaan kenderaan di jalan raya yang membawa kepada kesesakan lalu lintas. Ini kerana semasa mengalami masalah sesak lalu lintas, pengguna kenderaan telah hilang sabar lalu membunyikan hon kereta dengan bertalu-talu. Begitu juga dengan kenderaan awam seperti teksi dan bas yang tidak mempunyai alat penyerap bunyi yang berfungsi dengan baik turut menyebabkan masalah ini bertambah semakin serius. Kita kini seperti sudah terbiasa dengan pencemaran bunyi ini bagaimanapun manusia tidak sepatutnya biasa dengan bunyi yang terlalu kuat. Menurut saintis, bunyi yang lebih daripada 85 dB boleh merosakkan telinga manusia dan masalah kesihatan yang lain.

Pada waktu yang sama, pencemaran bunyi juga memberi kesan kepada kesihatan dan kesejahteraan hidupan liar. Kajian telah menunjukkan bahawa bunyi yang kuat boleh menyebabkan saluran dorsal ulat (seperti serangga jantung) berdegup lebih cepat. Haiwan menggunakan bunyi untuk pelbagai sebab termasuk mencari

jalan, mencari makanan, menarik pasangan dan perlindungan diri. Pencemaran bunyi menyukarkan mereka untuk melaksanakan tugas ini dan menjejaskan keupayaan mereka untuk bertahan. Dalam pada itu, tinjauan juga menyatakan penghasilan bunyi letupan yang kuat di dalam laut boleh merosakkan telinga haiwan yang tinggal di dalam laut dan menyebabkan kecederaan serius. Para saintis percaya bunyi ini juga mungkin menyumbang kepada perubahan tingkah laku ikan paus.

Jika kita melihat hal ini juga sering berlaku bukan hanya di negara kita tetapi juga di luar negara. Senario yang sama berlaku seperti sebuah pesawat Boeing 747-400 terbang menghampiri dengan rumah sebelum mendarat di Lapangan Terbang Heathrow London. Ini sekaligus mengakibatkan masalah kesihatan yang paling biasa yang ditimbulkannya ialah kehilangan pendengaran akibat kebisingan. Pendedahan kepada bunyi yang kuat juga boleh menyebabkan tekanan darah tinggi, gangguan tidur dan tekanan. Masalah kesihatan ini boleh menjejaskan semua peringkat umur terutamanya kanak-kanak. Ramai kanak-kanak yang tinggal berhampiran lapangan terbang atau jalan yang bising didapati mengalami tekanan dan masalah lain, seperti gangguan ingatan, tahap perhatian dan kemahiran membaca.

Malaysia juga telah mengambil salah satu langkah inisiatif iaitu mewujudkan undang-undang Seksyen 23(1) Akta Kualiti Alam Sekeliling 1974, kita tidak boleh mengeluarkan atau menyebabkan bunyi bising yang melanggar syarat di bawah Seksyen 21 kecuali mempunyai lesen. Itu sahaja daripada saya, saya berharap negara kita dapat menangani masalah ini dan menjadi sebuah negara yang bebas dari pencemaran.



# Faktor Pencemaran Udara dan Cara-cara untuk Mengatasinya

ditulis oleh Nur Adriana Batrisya Binti Sabri  
dari SMK Putrajaya Presint 16(1)

Dasawarsa ini sering meniti dari bibir ke bibir manusia di segenap penjuru dunia tentang isu pencemaran udara yang berlaku akibat daripada kecuaiannya manusia sendiri. Perkara ini telah mencetuskan kebimbangan yang berterusan dalam kalangan masyarakat kerana boleh meninggalkan kesan kritikal pada bumi. Pelbagai saluran telah digunakan untuk memberi kesedaran kepada khalayak ramai atas kesan negatif terhadap isu berkenaan. Namun demikian, usaha tersebut bagai mencurahkan air ke daun keladi kerana tindakan tersebut tidak mendapat sambutan daripada semua pihak sepenuhnya. Jika difikirkan secara mendalam terdapat pelbagai faktor yang menyebabkan berlakunya pencemaran udara dan beberapa cara yang dapat mengatasinya daripada terus berkembang kendatipun tidak dapat diatasi sepenuhnya.

Faktor utama pencemaran udara ialah pembakaran terbuka. Hal ini dikatakan demikian kerana pembakaran terbuka mempunyai banyak partikel jelaga yang boleh terbang pada jarak yang jauh oleh angin. Asap yang telah dihasilkan oleh api dari pembakaran bukan sahaja boleh mencemarkan udara namun boleh memusnahkan flora dan fauna. Oleh itu, kenaikan suhu bumi menjadi salah satu punca kepada pemanasan global. Kesannya, gas karbon dioksida yang terlalu banyak menyebabkan haba di bumi terperangkap dan akhirnya suhu bumi meningkat. Menurut lirik lagu hijau iaitu "Ozon lo ni ko ho nipih, nak nak aghi, Keno make asak hok biso" yang telah didendangkan oleh Zainal Abidin yang bermaksud lapisan ozon semakin nipis, akibat daripada asap yang banyak. Jelasnya, pembakaran terbuka menjadi salah satu punca kepada pencemaran udara jika tidak dibendung secara berhemah oleh pihak yang berkuasa.

Seterusnya, penggunaan racun serangga juga merupakan faktor bagi pencemaran udara. Hal ini tercetus apabila racun serangga yang mengandungi gas klorofluorokarbon (CFC) dilepaskan ke udara. Sebagai akibatnya, klorin yang terdapat di dalam gas klorofluorokarbon (CFC) akan menguraikan dan memecahkan lapisan



ozon. Akhirnya penipisan lapisan ozon berlaku dan membenarkan lebih banyak sinar ultra ungu sampai ke bumi. Tambahan pula, sinar ultra ungu juga boleh menyebabkan melanoma iaitu kanser kulit, katarak dan juga boleh membunuh organisma yang berguna kepada manusia. Tegasnya, masyarakat perlu berganding bahu dalam menghadkan penggunaan racun serangga bagi mengelakkan berlakunya pencemaran udara.

Ditinjau dari kaca mata yang berbeza pula, cara untuk mengatasi pencemaran udara ialah pihak kerajaan perlu mengadakan kempen menanam pokok. Di era globalisasi ini, jumlah bilangan kenderaan yang digunakan dan kilang-kilang yang dibangunkan kian meningkat. Hal ini akan memberi kesan negatif kepada kualiti udara kerana berlakunya pembakaran gas rumah hijau dan pelepasan bahan kimia. Oleh itu, penyelesaian bagi krisis pencemaran udara dapat diselesaikan jika menggunakan sistem penapisan semula jadi, iaitu pokok.

Tambahan pula, penanaman pokok merupakan alternatif yang paling baik dan berkesan untuk jangka masa yang panjang jika dibandingkan dengan teknologi yang canggih pada masa kini. Izharlah bahawa, kempen menanam pokok merupakan antara wahana yang berkesan untuk mengekang pencemaran udara daripada meruncing.

Konklusinya, terdapat pelbagai faktor yang menyebabkan berlakunya pencemaran udara namun demikian ada juga cara yang dapat mengatasinya daripada terus berkembang. Sudah tiba masanya seluruh anggota masyarakat menggembeng tenaga dan berganding bahu untuk menjadikan bumi ini bebas daripada pencemaran udara yang berpunca daripada kerakusan manusia sendiri. Dengan komitmen semua pihak, kita mengharapkan kualiti udara dapat dipulihkan persis peribahasa Melayu hendak seribu daya tak hendak seribu dalih.





### KEMPEN KESEDARAN COLLBOTT

Selamat datang ke SMK Putrajaya Presint 14(1). Pernyataan masalah yang timbul adalah tiada sistem pengurusan untuk bahan boleh kitar semula khususnya bekas-bekas minuman murid gunakan sepanjang di sekolah

Daripada pemasalahan itu, kami (kumpulan inovasi Kelab Alam Sekitar & Kitar Semula) membuat satu rekacipta inovasi yang dikenali sebagai CollBotT. CollBotT ialah singkatan nama bagi 'Collect bottle, drinking box and alluminium tin'.

CollBotT diperbuat daripada bahan terbuang dan mesra alam iaitu tayar kereta dan 'banner' terpakai, kawat besi dan 'cable tie'.

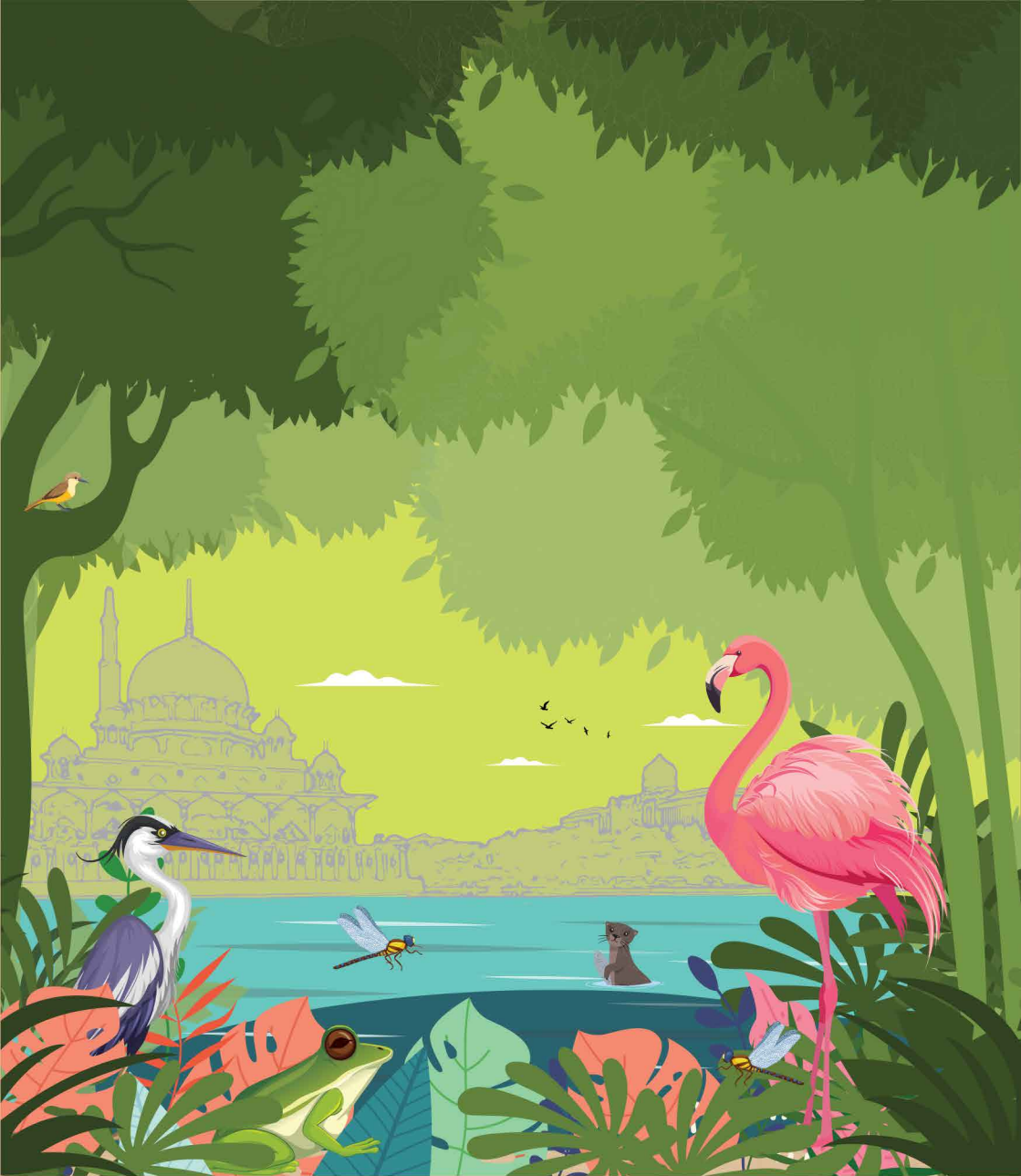
Aplikasi CollBotT sangat ringkas dan mudah iaitu dengan hanya memasukkan botol plastik, kotak minuman dan tin aluminium ke dalamnya.

Kempen kesedaran penggunaan CollBotT untuk membudayakan amalan kitar semula telah dijalankan pada 22 Jun 2022. Guru penasihat dan ahli jawatankuasa tertinggi Kelab Alam Sekitar & Kitar Semula berkempen agar semua murid bersama-sama menggunakan CollBotT demi mengurangkan lambakan sisa pepejal yang dijana saban hari. Kempen ini juga terjalin dengan Perbadanan Putrajaya.

Kempen 'World cleanup day' (WCD) pula adalah lebih kepada melihat impak penggunaan dan pengurusan CollBotT di sekolah. Bermula daripada sikap dan amalan murid- murid menggunakan (CollBotT) sehingga hasil dituai. 21 September 2022, dibuat aktiviti untuk mengambil data tentang hasil CollBotT di Dataran Inspirasi. Ahli-ahli kelab bersama-sama menimbang sebelum dibuat formasi susunan menyerupai logo WCD. Impak daripada kempen WCD ini, kami memperoleh data anggaran hasil penggunaan CollBotT selama seminggu malah hampir semua murid di sekolah ini menggunakan CollBotT dan sekaligus pernah menguruskannya.

- Nur Wajihah Binti Mohd Zairi  
dari SMK Putrajaya Presint 14(1)





**PUTRAJAYA CORPORATION**  
Kompleks Perbadanan Putrajaya  
24, Persiaran Perdana,  
Presint 3, 62675 Putrajaya Malaysia  
Telephone: 603 8887 7000  
[www.ppj.gov.my](http://www.ppj.gov.my)  
[www.facebook.com/BandarHijauPutrajaya](https://www.facebook.com/BandarHijauPutrajaya)