

PART I: Details of Your School

1. Name of your school: YAYASAN SULTAN HAJI HASSANAL BOLKIAH PRIMARY SCHOOL
2. Full address: Yayasan Sultan Haji Hassanal Bolkiah Primary School, Simpang 336-71, Jalan Kebangsaan, Bandar Seri Begawan.
3. Postcode: BC4115
4. Country: Brunei Darussalam
5. School's telephone number (country code+city code+telephone number): +673 2382766 Ext 317
6. School's fax number (country code+city code+fax number): +673 2370751
7. School's email Address: primaryadmin@syayasan.edu.bn
8. Name of the Head Master/Principal/School Director: Hajah Mariam binti Ladi
9. Name of the Teacher Coordinator: Bethsaida S. Ruiz
10. Email address of the Coordinator: beth.ruiz@syayasan.edu.bn
11. School website (if available): http://www.primary-yayasan.edu.bn/en/
12. Educational level (Such as Kindergarten 1 to Grade/Year 9): Grade 1 to 6
13. Total number of teachers in your school: 70
14. Approximately number of teachers participated in this programme: 70
15. Total number of students in your school: 1050
16. Approximate number of students participated in this programme: 1050

PART II: Information about the School's Programme

The information of part II from no.1 to 13 should be no longer than nine (9) pages long of A4 in total. The information should be written in Times New Roman font, 11-12 point size.

1. Title of the school's programme

Green and Clean School Programme

2. Summary of the programme (one half to 1 page of A4 sheet size)

<p>The programme was initiated to become a green-school with eco-friendly environment conducive in teaching and learning. Various activities were organized and conducted throughout the school participated by students from Year 1 – 6 level, teachers and a very supportive admin. An awareness month on addressing plastic problem was one of the activities highlighted in the programme.</p>
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<p>Last March 2011, we have started of no-plastic during weekend at major supermarkets in the country. It was a great initiative to reduce the usage of plastics. Then last year, we have started of no-plastic throughout the country even during weekdays. The production and disposal of conventional plastics causes major environmental issues. Plastics become an essential part of our daily lives but it causes so much problem that pollutes streams, oceans, air and open spaces. Regrettably, resulting the deaths of</p>
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endangered animals. In Brunei, according to statistics that leatherback turtle is one of the species that became critically endangered due to human interference that led to plastic pollution. Among them, dumping plastics in water bodies is one of the major cause. In addition, it has become an eyesore to find plastics everywhere due to littering and without proper disposal. These problems caught our school's attention to take some effective actions to go against the usage of plastics.

Hence, the school has organized a variety of activities in support the sustainable development goals of United Nations. We have scheduled some activities in and outside the school to stimulate the awareness such as reduce the usage of plastic. Our school had formed a committee for Green-school Project to successfully implement the project. In 2014, our school was awarded as Brunei-Green School by Step Centre, Ministry of Education. ***In support to our vision, to provide basic knowledge and skills to develop our students to have a natural and eco-friendly learning environment that empowers and inspires our students to be creative, innovative and green leaders.*** Our mission is to contribute to our vision by educating young leaders in global citizenship. Towards a green and clean school conducive for sustainable learning science by inquiry to inculcate the value of the school motto "My school, My pride".

Our purpose is to demonstrate practical ways that we can turn back the clock on global warming to students and parents while creating healthier, more efficient and less costly learning environments. Since then, on-going programme towards maintaining our school green and eco-friendly environment are implemented and participated by the entire team of primary school.

3. Background information or reasons why the school created this programme

The school has created the programme to educate our students as young as they are with knowledge about harmful effects of using too much plastics in the environment and in support to the no-plastic campaign (PFSP) in the country. We believe that educating the children at early age on this matter will make them aware and become more responsible citizen towards clean and protected environment.

Yayasan Sultan Haji Hassanal Bolkiah Primary School should be a place where children learn to be accountable to achieve the goal of having an eco-friendly environment and to be the next generation of leaders and capable citizens.

4. Objectives/goals of the programme

Here are the list of objectives/goals of the programme:

- a. To raise awareness to young children about the harmful effects of using plastics in the future.
- b. To awaken our students' awareness on the importance of our environment and through the means of recycling, plays a big role on saving our planet.
- c. To promote our students' awareness on the importance of our environment and through the means of growing more plants around plays a big role on saving our planet
- d. To reduce the use of plastics.
- e. To promote green and clean environment.
- f. To contribute to a greener and more sustainable environment.
- g. To inculcate the value of nature to young children.
- h. To introduce the value of responsibility and the importance of preserving our nature by replanting under Yayasan School Reforestation Project (YSRP).

5. Period of the time when the programme was/has been started

This programme was launched in year 2003 and it is an on-going successfully.

6. Key knowledge, skills, attitudes/values and behaviors that the school expects to develop from this programme.

We believe in three simple rules underlying every decision: be local; let your environment be your guide; and envisage how your future generations will be affected by your actions. Values that guide us are:

***Integrity *Responsibility *Empathy *Sustainability *Peace *Equality *Trust**

7. Activities (Strategies/activities of implementation)

This part is important – please clearly explain all related strategies and activities that the school has implemented and brief information of each activity). Details of each activity can be attached as a part of supporting documents.

- a. Awareness month about addressing plastic problems – for the whole month of September 2020, various activities were conducted to raise awareness on addressing plastic problems and educate the children on different ways on how they can contribute as a responsible citizen.
- b. Reducing the usage of Plastic (21-26 September 2020) – all primary students were requested to bring their own reusable container, metal spoons, metal straws in school for their lunch box to encourage of preventing the use of plastic.
- c. School Cleaning Campaign (10th September 2020) – on the last day of school before school holiday, students carried out cleaning campaign at school participated by all students from Year 1 – Year 6.
- d. Inter-Class Poster Making Competition – Year 1 – 4 students creatively designed their poster about reducing the use of plastics during their Art lesson by expressing themselves with a good message to support Plastic-Free School Project.
- e. Slideshow Presentation – Year 5 students created a slideshow during their ICT lesson about the harmful effects of using plastics and ways to reduce the use of plastics. After they have created the slides, they were asked to present in the class and best students presented in the school hall during an awareness talk.
- f. Video Making using Flipgrid – Year 5 students were asked to create a short video clip (1 min and 30 seconds) to discuss about Green and Clean environment and using 3Rs (Reduce, Reuse and Recycle) and will be posted and shared to Flipgrid community.
- g. Decomposition experiments – selected students from Year 5 did a decomposition experiment in school using banana, cucumber, tissue paper, plastic wrappers, wood chopsticks. During the one-month experiment, students have learned about the length of time taken by different items as per their biodegradable qualities and to their surprised they found that plastic was still intact even after a month. This leaves a great impact in their understanding of harmful and long-lasting effect of plastic in nature.
- h. Inter-class recycle competition, slogan competition about recycling – collection of recyclable materials from school compound home.
- i. Yayasan School Reforestation Project (YSRP) – it is a tree planting project to plant trees in the school compound and hill slopes to prevent soil erosion in the area and was carried out by Year 6 students under SPN21 Curriculum.
- j. Creation of seed/seedling bank of fruit bearing plants during Science lesson.
- k. Earth Day – an annual activity that celebrated in school to raise awareness and appreciation about the importance of protecting our planet and taking action.
- l. Fixing solar lamps in the garden – to conserve electricity by using solar lamp in the school compound.
- m. Beach Cleaning Campaign – an annual activity of Year 3 students to do beach cleaning campaign at Tungku Beach. This campaign is under the SPN 21 Science Curriculum and also coincides with this month's SMEC theme: Love Our Planet. Apart from learning, this campaign may inculcate the

good attitude to keep our surrounding litter-free. Each class was given a location. The pupils were divided into groups. In groups, the pupils need to collect the different types of rubbish such as plastic, metal, paper and rubber. The cleaning campaign was really a good experience for the pupils. It also aims to create awareness among pupils on the importance of caring for our environment.

- n. Yearly evaluation or environmental review of the school if any improvements need to be done in maintaining as Green-school.
- o. On-going campaign using posters around the school and social media to increase students' awareness about plastic problems.
- p. Farm to school Project - train and teach pupils on how to start-up and maintain a farm-to-school project. It is an initiative to instill to pupils the significance of farming to our everyday life and to their Science learning outcomes. Educate pupils on how to germinate seeds and teach them on how to transfer seedling to pots. Pupils also observed which type of soil yields healthier growth of okra.
- q. The 'Sprout IQ Farm to School project' is organised by Agrome IQ International Sdn Bhd and funded by the Progresif Cellular Sdn Bhd through its Corporate Social Responsibility (CSR). This is a 4 month project starting with the germination of the seedlings on Friday, 26th January 2018. Within this 4 months, Agrome IQ will be monitoring and educating our students on this urban style of farming. This programme aims to teach the young generation about farming and entrepreneurship, to develop highly skilled individuals and empower communities to generate revenue, to promote a healthy eating lifestyle among Bruneians and to increase vegetable consumption among Bruneians.
- r. Environmental Club – to motivate the students to absorb habits and life style for minimum waste generation and disposing the waste to the nearest school recycle corner (plastic paper and metal).

8. Teaching and learning approaches/strategies that the school has integrated for this school programme.

- a. An awareness talk was conducted for each level about the significance of reducing the use of plastics.
- b. Collaboration of different subjects towards the same goal, to raise awareness of harmful effects of plastics.
- c. During Art Class, students were asked to create a poster to raise awareness about plastic pollution problems.
- d. In ICT Class, Year 5 students recorded a short video clip using Flipgrid Application on promoting Green and Clean environment, connect to community to foster students' awareness.
- e. Year 5 students created a slideshow presentation about the harmful effects of using plastics and ways to reduce the use of plastics.
- f. Science Teacher from all levels allocated time educating the students during their Science lessons about plastic problems.

9. A) Participation with the community (How the school and community work together in planning and implementing the school's programme)

We organized an educational trip of students to Kampong Ayer (World's largest water village) to raise awareness of situation in Kampong Ayer on how they are facing plastic problem in the area and let them realize the impact on surroundings and environment. This will help inculcate in reducing the usage of plastics.

Annually, our Year 3 students are conducting beach cleaning campaign at one of the public beach in Brunei-Muara District. We are sure that this activity will arouse the awareness and responsibility among the people in our community to be more conscious against littering.

Students have also joined community on-line to promote awareness of achieving green and clean environment.

- B) Engagement of partners in community and their roles/contribution into the school's programme
(Please provide the name of your partners in this programme and their roles/contributions)

Name of Partners	Roles and Contributions
Green Brunei Organization	Help to conduct recycle drive.
Brunei Methanol Company	Sponsored 15 recycle bins in our school
Forestry Department	Sponsored 100 trees and as an adviser in conducting tree planting.
The High Commissioner of India	Sponsor and support tree planting project.
Agrome IQ International Sdn Bhd	Sponsor to 'Sprout IQ Farm to School project'
Progresif Cellular Sdn Bhd through its Corporate Social Responsibility (CSR)	Funds for 'Sprout IQ Farm to School project'

10. Transformation to the community and ecosystem (Brief information of activities that the school, students, and teachers have contributed for the improvement of community/ecosystem.)

- a. The Yayasan School Reforestation Project was initiated as our school was claimed from the forest. This serves as a payback direct to the nature by replanting more trees in the school compound and secondly in those soil degrading areas. The hill slopes behind our Secondary School, Multi-purpose hall is showing signs of erosion triggered by deforestation in the past. Soil has been washed down by the heavy rain. This project will prevent the further landslide in the area.
- b. Farm-to-School Project – train and teach pupils on how to start-up and maintain a farm-to-school project. It is an initiative to instill to pupils the significance of farming to our everyday life and to their Science learning outcomes. Educate pupils on how to germinate seeds and teach them on how to transfer seedling to pots. Pupils also observed which type of soil yields healthier growth of okra.
- c. 'Sprout IQ Farm to School project' was conducted last 2018 at school. On 13th of May 2018, the students had a great experience in selling crops produced at the school's farm during BandarKu Ceria to public.

11. Programme for monitoring and evaluation mechanisms and summary of results

Monitoring and evaluation mechanisms:

- a. Reducing the use of Plastic Week – we used a log for all students whoever will bring a reusable container, metal straws, metal or wooden spoon from home will get a sticker or signature from supervising teacher. Students who managed to complete the one-week challenge will get a prize.
- b. Annually, the school conducts an Environmental Review with checklist to evaluate the status of school in different areas to sustain the Green-School title (please refer to attached document – Green School Report).
- c. Students are monitoring the planted trees in their seedling stage everyday during school time.
- d. Tree Planting - Planting, monitoring, watering, observing, etc.
- e. Recycle Drive - Monitor the collections, recording their collections.
- f. Creation of Seed / Seedling Bank of fruit bearing plants - Sowing the seeds in the sponge, watering and monitoring regularly.
- g. Fixing solar lamps in the garden - to monitor and add more solar lamps in the school compound.

Summary of results:

- a. Students participated actively in reducing the use of plastic by bringing their own reusable containers, metal straws and spoons from home.
- b. Annual Environmental Review helps us to check regularly to maintain the title Green-School.
- c. Students have become responsible and take ownership in taking care of their planted seeds.

12. Resources used for programme implementation

- a. ICT facilities such as internet, personal computer, projector, camera.
- b. Manpower to dig the grounds and gardener to maintain.
- c. Sponsored trees.
- d. Stable recycle corner.
- e. Customized pots for Farm-to-School project.
- f. Science equipment for investigative work.
- g. Training for competitions.

13. Benefits/Impacts/ positive outcomes of the programme to **students, teachers, parents and school**. Please include evidence of achievements.

(How the school's programme has transformed the behavior of students, teachers, and parents to improve the school's environment in reducing plastic usage and wastage.?)

Students have started using their own reusable containers. Parents are very supportive because they allow their child to bring the own metal spoon and straw from home. They are also encourage to avoid using plastics straws. School canteen have started using paper bags to reduce the usage of plastics. As students have become more aware with plastic problems, they have continued bringing their own metal straws outside school even going to mall with their parents.

14. Benefits/Impacts/ positive outcomes of the programme to people in community, and ecosystem. Please include evidence of achievements.

(How the school's programme has transformed the behavior of people in the community in reducing the plastic usage and wastage and improve the ecosystem of the community?)

1. Students are contributing to maintain an eco-friendly environment by reducing the usage of plastic in their daily lives even outside the school.
2. Our school has won a title as Green-School by Brunei Step Centre, Ministry of Education in 2015.
3. The Yayasan School Reforestation Project (YSRP) helps to prevent the further landslide in the school compound.
 - a. To produce oxygen, reduce soil erosion and improve water quality.
 - b. To raise awareness on keeping the country green.
 - c. To leave a tree of their remembrance in the school for year 6 pupils.
 - d. To show an example of a good citizen of Brunei Darussalam.
4. Yayasan Sultan Haji Hassanah Bolkiah Primary School has been selected by the Ministry of Education as one of the schools to exhibit their 'Green School Initiative' at the 'Mesyuarat Mengemaskini Perisian Pameran Majlis Ilmu 2018' on 27th November 2018 to be held at the International Convention Centre visited by different schools nationwide.

15. Plan for sustainability and plan for scaling-up/expansion

Plan for sustainability:

1. Students are encouraged to completely avoid using plastics eventually and to be replaced by using biodegradable items to sustain the eco-friendly environment.
2. The Yayasan School Reforestation Project (YSRP) is an on-going programme that will be conducted in school annually by Year 6 Students as it is part of Science SPN-21 Curriculum.

Plan for scaling-up/expansion:

1. Plastic-Free School Project (PFSP) – we have initiated to take a challenge to enter the Plastic-Free School that will eventually bring us to the community that instills the willingness in avoiding plastics to the greater extend in their daily lives.
2. In the future, we are planning to expand the YSRP to soil eroding areas in public places to avoid landslides.

16. Interrelationship of the school programme with other Sustainable Development Goals (SDGs)
(Please refer to page 2 in the Information Note or <https://sustainabledevelopment.un.org/sdgs>)

To support the Sustainable Development Goals (SDG) of United Nations.

1. Good health and well-being – Yayasan Sultan Haji Hassanah Bolkiah Green-school project including cleaning campaign and maintaining the green and clean environment will help to achieve good health
2. Climate action – reducing the usage of plastic starting at early age will eventually improve the plastic problems that can lead to global climate changes.
3. Affordable and clean energy – introducing the use of solar lamps help to raise students' awareness in conserving energy.
4. Clean water and sanitation – conducting awareness talk and educating the students on the importance of clean environment including water will make them accountable as a responsible citizen.
5. Responsible consumption and production – with on-going programme, students will be more responsible in selecting materials that can support the 3Rs reduce, reuse and recycle. In this way, wasting of resources can be limited.

17. List of supporting documents such as a copy of the school operational plan or school management plan, action plan, learning/ teaching materials, lesson plans, samples of student worksheet, manuals, etc.

If the supporting documents are in the local language, please provide a brief description in English language.

Maximum of 5 supporting documents can be submitted with this Submission Form.

- Document 1) Green-School Report Yayasan
Document 2) The Yayasan School Reforestation Project (YSRP)
Document 3) Awareness Month about addressing Plastic Problems
Document 4)
Document 5)

18. Photos related to the activity/programme (Maximum of 5 photos with captions in English)

Photo1 Yayasan's Recycle Corner



YAYASAN'S RECYCLE CORNER : RECYCLING ACTIVITY IN PROGRESS



Photo 2 Yayasan School Reforestation Project (YSRP) by Year 6 students.



Photo 3 Inter-Class Poster Making Competition on awareness of Plastic-Free School Project (PFSP)



Photo 4 Decomposition Project



Tested on banana, cucumber, tissue paper and plastic wrapper (one month project).

Photo 5 Reducing the usage of plastic in preparation for Plastic-Free School Project (PFSP).

