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REPORT SUSTAINABLE DEVELOPMENT GOALS (SDG)

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NETWORK & SECURITY)

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1) INTRODUCTION

In this era of modernization, the rapid growth of technologies, development, and society has given so many impacts on this world. There are many inventions created to satisfy people around the world. But are we aware that all the things we use in daily life are actually connected with nature as well? Most of the resources are coming from animals and plants. We as human beings gain benefits from nature just to fulfill our needs. As the populations of humans are growing over the years, there will be a necessity to have more development. More forests will be cleared to make new housing areas and buildings, countless animals will lose their territory and shelter resulting in the earth is getting sick and weak due to human activities.

Life on Land means to protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss. Our team decided to choose this topic because it has been a major concern today. There were many environmental problems occur which give negative effects on the world we are living in. The wildfire of the Amazon rainforest which also known as the 'lungs' of the earth is one of the recent disasters that happened which affects the entire ecosystem. The forest was burning, the animals died and humans had breathing difficulties due to lack of oxygen. Therefore we want to help the world by protecting the ecosystem to make the world a better place.

2) PROBLEM BACKGROUND

Based on the goal Life on Land, one of the problem is deforestation. What is deforestation? Deforestation is action that clear or removal of a forest or stand of trees from land which is then converted to a non-forest use. The effect of deforestation are soil erosion, destruction, loss of biodiversity and climate changing.

In our project, we focused on climate changing effect. Based on some scientist said that deforestation in tropical rainforests adds more carbon dioxide to the atmosphere than the sum total of all the cars and trucks on the world's roads. Trees or plants absorb CO₂ from the atmosphere and used it to produce food (carbohydrates, fats and proteins). In return, it gives off oxygen. Destroying the forests mean CO₂ will remain in the atmosphere and in addition, destroyed vegetation will give off more CO₂ stored in them as they decompose. High level of CO₂ gas are directly correlated to low productivity and high sick leave making this a crucial concern for the environments. Some of the effects are restlessness, drowsiness, increase heart rate and blood pressure, sweating and headache.

3) RESEARCH AND REVIEW

The next step is planning a solution. We are planning to provide small plants to the customer that has registered during a special day called Earth day. The plant that we

provide should have multifunctional functions where it helps to provide oxygen but at the same time, it is also can be a decoration item too. Research has to be done in order to find the plants which are inexpensive, easy to manage and beautiful to the eyes.

After a few research, we have decided to choose Cacti because it meets all the criteria offered. In order to make this project runs smoothly, we will conduct a charity run beforehand to collect funds to provide financial support to our project. Then we will only able to give plants to them during the upcoming Earth day. To make this project receive a good response from people, we are planning to add competition to encourage people to manage their plants well and the winner will be awarded with interesting gifts.

4) HOW IT WILL WORK

During the Earth Day, we decided to give free Cacti plants for those who had register in our website. In the website also have the benefits of having plants in our environment especially in our home. We also showed the step for taking care of the plants that you should follow for the well growth of the plants in that website. We will located the plants in several place so that they can get their plants at their nearby. In addition, we also organize a competition regarding the Earth Day event. The process of this competition are they have to always update to us the growth of the plants they get. After two month, they need to show us their plant, the best and grow well plant will win the set of reusable cutlery.

Based on this activity, we use the concept “one home, one plant”. The benefits of this event is to encourage people to have at least one plant at their home. It not only good for ourselves but also for people around us. The plants can help to absorb CO₂ gas around us and gives off more oxygen. That will let us to having a breath in fresh air. Besides that, the plants also can be a decoration and make our home look more nature.

5) CONCLUSION

In a nutshell, based on our initiative to help reducing deforestation, we hope that generation nowadays is aware of the critical situation related to the ecosystem. People should have the mentality and initiative to maintain and protect biodiversity by planting more trees around their house. Although it will only contribute a small amount of oxygen but when everyone practice the same thing, the problems that occur because of deforestation can be slowly reduced over time. Therefore, by reducing deforestation, it can produce a healthy generation and makes the world a better place.