

Food Fighter



School

SM Sains Tapah

Country

Malaysia

Member

Safiyah Khusna Binti Mohamad Rom(17)

Muhamad Farhan Bin Rosli(17)

Shah Hanif Nazmi Bin Shah Rumizam(16)

Nur Fitriatul Laily Binti Hamil(16)



Title of Movie

Food Scarcity / 食糧不足

Topic

Food Scarcity / 食糧不足

Current Issue of Topic / テーマが抱える課題

Food scarcity is a real problem to the world these days. This issue happened because of a few factors.

First, is low agricultural yields. Food production is estimated to decrease each year if nothing was done. In fact, in North Korea, it was reported that the country is short of 1.4 million tons of food this year. Why this situation happened? Nowadays, the world has a limited land availability to grow crops. Urbanizations are enlarged especially on former farmland and forest, thus reduce the area to do agricultural activities. 2010 data shows that, in China, urban residents will increase 28% which would require the clearance of additional rural land for residential housing, roads and infrastructures. Climate change also affects the length and quality of food production especially for seasonal crops such as wheat. Scientifically, an average of 2°C rise in temperature could reduce corn production by 5%.

Second, food scarcity happened because of the increasing demand for biofuel and bioethanol. Biofuels are an alternative solution for replacing gasoline. As every coin has two sides, same goes for this case. To produce biofuels and bioethanol scientists use crops such as corns. A report said that 30% of United States corns productions is used for bioethanol production. Thus, crops for food are decreasing gradually.

Third, the growing of world's populations has worsened the situation. It was estimated for the world's population to reach 9.7 billion people in 2050. Thus it creates a platform for people to compete for limited food. This situation rises problems for people living in poverty. 3.4 billion people in the world were estimated struggling to fulfill their daily needs. These people live without enough bread and butter throughout their life and have health problems such as malnutrition.

From the problems we said above, we can conclude that we are, in fact, facing food scarcity. We chose this problem because not a lot of people notice this. Therefore, we want to spread the word to the world and encourage people to combine our heart, mind and body to face this problem together as one humanity.

食糧不足は世界で最も大きな問題である。この問題の原因は以下の3つである。

1. 農作物収穫量の減少 収穫量の減少は、都市化に伴い、住宅地の確保、インフラ整備によって農地を十分にとることができないこと、気候の変化が原因となっている。
2. バイオ燃料とバイオエタノールの需要の増加 バイオ燃料とバイオエタノールを作るために、食用のトウモロコシが使われている。
3. 世界の人口増加

私たちは食糧不足の問題に直面しています。

Solution of Issue / 解決策

Thus, to fight against the issue, we propose some solutions. Firstly, we propose for food-based shops like restaurants and cafe to stow away their leftover foods properly and give them to poor people. Usually, as we searched in our canteen, the canteen staffs threw away the leftover foods exactly at 12 PM every night. Isn't it a waste of food? We suggest that business greed and profits should be put aside and provide for the needs. We must practice humanism and help those in need.

Besides, we propose food aid. In Malaysia, the schools organized breakfast and lunch for students from families that have low incomes. This not only helps them get enough nutrition but also give them another reason to go to school beside getting a good education. It will be a win-win situation where the students get both education and food. Education is a must for one to improve their living standard and escape from poverty. Next, we propose the method of fasting. We know that the world's food is decreasing gradually. So, we must be ready to face this situation. Fasting is proven to help someone fight hunger better. Scientifically, by fasting, it will increase metabolism and quell one's need to eat or drink. Therefore, it will make someone consume lesser food than before. Fasting is an act of not eating, drinking or both for a length of time such as from sunrise to sun dawn. It was recommended to fast for twice a week.

Other than that, we propose a method of hydroponic plantation. These plants will not need land to plant them. It can be planted everywhere in clean water that provide enough lights. Then, the problems regarding land availability can be solved to certain rate as water-based plant doesn't need soil. Last but not the least, we propose a research of multiplying seasons for crops. Wheat, corns, sugar canes and sugar tubes have their own seasons to collect the yields. But, a research on them can increase the season in a year. For example, around 30 years ago, wheat can only be collected once in a year. But nowadays, wheat can be collected thrice a year thus increasing the amount of food in the wild. A research can be done to multiply the length of the season.

私たちが考えた解決策は次の5つである。

1. 外食産業から食品廃棄物を食糧の行き届かない人たちに譲る
2. 朝食を提供するなど、学校が生徒に食料を提供する
3. 断食
4. 水耕栽培 きれいな水と十分な日光が得られれば、農地を必要としない
5. 多毛作の研究 一年に何度も収穫できる作物を研究して、収穫量を増やす

Message to Audience / メッセージ

What we found difficult in completing this project is we have yet experienced being without food. We were blessed with enough money and food daily. We didn't feel the hunger of those people and waste food without a care in the world. Other than that, being a student, we are restricted from implementing our suggested solutions. But, we try our best by joining this food summit to spread our suggestions and awareness to the world regarding 'Food Scarcity'.

私たちは飢餓を経験したことがないので、この計画を完成させるのに苦労した。私たちができることは限られていますが、この食のサミットを通じて飢餓のことを広めていきたい。