

Aulia Pratamadita

Environmental Science

“Can we act more wisely to conserve our resources with the advance knowledge and technology?”

To me, the answer is yes. Of course we can act more wisely and conserve our resources with today's technology and advance knowledge. With the development of knowledge and technology, humans can understand their environment better and it also can increase awareness of the importance of preserving resources. Currently, many things that are environmentally friendly and that can be recycled are being developed, whether by private organizations, government or even by students. They try to create an alternative energies to reduce the use of fossil fuel and electricity. One of the newest innovations by Indonesian students is the Catamaran Ship by the Hydros Team of the University of Indonesia (UI). The Hydros team designed a Catamaran Ship equipped with a cockpit, ship propeller system (electric propulsion system) with the help of 500 wp solar panels as additional power. With a submerged weight of 230 kg, this ship also uses a 5kWh battery as an environmentally friendly energy source. There is a solar panel measuring 2.5 square meters which can store more power.

It is clear that we can conserve resources with technology and advance knowledge, but there are still many of us who use technology and advance knowledge to exploit resources. Therefore, the development of technology and advance knowledge must be followed by an environmentally friendly attitude in exploring our resources.

“Will we develop sustainability?”

For me its a yes, but it will be hard with our now modern life. We need to manage the consumption of the environment. Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs. Sustainability looks to protect our natural environment, human and ecological health, while driving innovation and not compromising our way of life.

Sustainability takes into account how we might live in harmony with the natural world around us, protecting it from damage and destruction. Sustainability focuses on balancing that line between competing our need to move forward technologically and economically, and the needs to protect the environments in which we and others live. Environmental protection by recycling, reducing our power consumption by switching electronic devices off rather than using standby, by walking short journeys instead of taking the bus. Also there are incentives to installing renewable power sources in our homes and businesses. Economic development, getting what we consume under control is and controlling the population, the greater the population the greater the consumptions so if there is an over-populated the need for resources will also be excessive. To reach a sustainability is not just about the environment, it's also about our health as a society in ensuring that no people or areas of life suffer as a result of environmental legislation. Social development with education, encouraging people to participate in environmental sustainability and teaching them about the effects of environmental protection as well as warning of the dangers if we cannot achieve our goals. Education comprises a lifelong learning system to cope with the changing needs and aspirations of society. Also with developing technology and biotechnology to protect the environment from potential damage that technological advances that we have now.