**How will opportunities at Purdue support your interests, both in and out of the classroom? (100 words)**

As the world’s largest archipelagic country, Indonesia is reliant on the desalination process as its clean-water source. However, during my internship, I learned that the process was powered by the grid, which produces lots of CO2 emissions, instead of a sustainable source. Purdue has renewable energy initiatives that develop a wave-energy convertor for reverse osmosis and I intend to understand this technology to enable Indonesia’s first large-scale wave-powered desalination process. Moreover, I consider myself a budding animal activist and the Cause For Paws club would enable my next-generation solar-powered automatic animal feeder that better suits rescued animals in shelters.

**Briefly discuss your reasons for pursuing the major you have selected. (100 words)**

A charity event in school dedicated to the Pakistan floods has made me realize that global warming is an imminent threat. This ignited my interest in sustainable energy because more implementations of it would mitigate rising sea levels. Whilst researching sustainable energy sources for a Design & Technology project, I learned about the mechanisms inside of a hydroelectric dam and was immediately hooked. Ever since, I’ve pursued the concept of mechanical design where I used Computer Aided Design for my solar-powered device. This eventually inspired me to major in Mechanical Engineering.

Hi Abian,

Great job for coming up with your draft! I particularly enjoy reading it as you sounded very passionate about sharing your interests. However, there are a few things that you will need to fix to make your essays better.

Firstly, bearing in mind that supplemental essays have a very limited word count, you need to ensure that your answers are direct and concise. It would be helpful to be straightforward and explicit in answering the prompts to make sure that you tackle all the specific things the university is looking for from you. As an example, in your first essay, you only mentioned very briefly your interest in joining the Cause for Paws club. However, you never mentioned how exactly you joining the club could help support your interest.

Secondly, specifically in your second essay, to better answer the prompt you will need to link directly what it is that you look forward to learning from Mechanical Engineering—that would help you achieve your goals. For example, “By learning x, y and z in this major, I will be able to apply the knowledge gained in tackling the imminent threat of global warming.”

Hope this helps and all the best with your application!

Kind regards,

Johana