**Yale University Essay Ravi**

*If you selected one of the engineering majors, please tell us more about what has led you to an interest in this field of study, what experiences (if any) you have had in engineering, and what it is about Yale’s Engineering program that appeals to you. (250 words)*

*As I dawned upon the red pedestrian light, my vision caught a never-ending swarm of swerving 2- past the 4-wheelers as viscous fumes brushed over me before collected high up by the infamously grey Jakartan sky. I asked myself: what can one do to make my city a better place?*

This was when I discovered Environmental Engineering. The study of water systems, fuel efficiency, and clean energy has given me a purpose. Students from this field are embraced to improve sustainability through innovation – rethinking the way we manage and leverage on natural resources.

Solar irradiance, wind speeds, and tidal waves has dominated my mind since discovering Environmental Engineering. I became obsessed of envisioning a self-sufficient Indonesia: benefiting from the country’s enormous potential of renewable energy to become a POWERHOUSE of sustainability in South East Asia.

At Yale, I believe I could make that vision into reality. First and foremost, Yale student’s flourish in an environment where the faculty encourages students to do more through research and rigorous courses. Personally, I am intrigued by Yale’s ENVE courses that runs deep on addressing critical scenarios in the environment. For example, the study of pollutants’ behavior in energy systems and in the atmosphere is one of the courses that aligns with my interest in solving my cities high pollution levels.

Apart from courses inside the classroom, students at Yale are encouraged to do research. Unlike any other school, research at Yale would feel more personal and compact as students are more likely to be placed in small groups with a close relationship with the professors. This is because the student to faculty ratio is 6 to 1, which really sheds light upon how Yale Engineering will ensure growth within their students in their own respective fields.