**Georgia Tech Draft-Ravi**

*Georgia Tech is committed to creating solutions to some of the world's most pressing challenges. Tell us how you have improved or hope to improve the human conditions in your community?* (300 words)

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Version 3

Five million, three hundred and fifty-four thousand, is the number of Indonesians who have yet to receive adequate electricity in their homes. Even though that’s only 2% of the total Indonesian population, it concerns me that I’ve always lived comfortably while millions still have to suffer because of this.

Energy wise, Indonesia provides tremendous opportunity for renewable energy to thrive. If we could harness this potential, our power supply would be enough to not only meet the demands of the people but also be independent from international oil prices. Sadly, our energy shares are still dominated by coal and oil, which means we are far from being independent.

For that reason, I wish to find a way that would bolster Indonesia’s renewable energy growth in the future.

The truth is, our country LACKS the ability to research and manufacture green technology, which therefore limits our ability to produce ‘renewables’ at a low cost. This is why I am interested in creating an **institute** to boost renewable energy research in Indonesia.

This vision projects two main benefits: lower costs and better welfare. For example, if the government were to build a wind farm, they’d be looking at constituents that can provide cost-effective and quality-proven wind turbines. This is where my institute is applicable: conducting state-of-the-art research based in Indonesia and collaborating with regional manufacturing companies to manufacture turbines at a low cost.

The impact of this self-sufficient behavior will be TREMENDOUS. It provides welfare to the remaining Indonesians who have yet receive adequate electricity, ensures sustainability in the energy industry, and, most of all, strengthens Indonesia’s technological contribution to renewable energy.

Obviously, it takes a lot of steps to achieve such an ambition, but studying at Tech, where the combination of research and entrepreneurship is embraced, will be a good start.