CYLINDRICAL FOOD PRESERVATION CONTAINER

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12C

Strand: STEM
Guide questions:

1. Cite one significant experience on the following scenarios:
   a. Immersion with the partner community
   b. Actual making of the project proposal e.g. doing the experiments, gathering of data and results, consultations with experts, etc.
   c. Project presentation and implementation
2. As STEM students, what is the importance of your research paper/capstone as to how Lasallian graduates contribute to the welfare of the people and to the preservation of the environment.
3. What will be the significance of this project to your life 5 years from now?

When we had our first immersion in the community of *Sitio Makabuhay*, I was with my partner, Alonso, and we lived in with one of the families there and spent the whole day with them, getting to know our *nanay*, about her family, and how things normally work around the community. We learned about the lifestyle of the people in the community and who are also key people who help them maintain what they currently have. What struck me the most is how they still see the good and positive side despite their situation, and how it's much easier to be grateful and thankful for the little basic things they are provided with. Even when they struggle, at the end of the day, they are thankful that they have a roof on their head, food on the table, and still have means of livelihood even in the simplest of ways. Learning all these things from them has inspired me personally to want to help them in whatever way I can. When we came back to school, we were tasked as a group to come up with a proposal that would help fulfill the needs of the community, which in our case, our focus was on food safety. Our original group was able to propose the CFPC (Cylindrical Food Preservation Container) which was an alternative refrigerator that did not need electricity to function. We researched on the topic to find other sources that could support our proposal and soon enough we were able to defend our research and improve it to become the PorCube (Portable Cube Cooler). There was a lot of paperwork and research during the duration of writing the first original paper, then more of it in the improving period. It was a very long process, but all that was really needed was the cooperation of everyone in the group.
Thanks to us having our Research subject, we were able to find wayson how to help the community in the field we are specializing in. By proposing our ideas, even if not all of the topics were chosen to be implemented, could be used for inspiration for future researchers who would wish to continue studying further than we did.

Years from now, I can look back and remember what it was like to create an innovative idea to help those in need, especially in the fields we would be specializing in. The lessons I learned

during the whole research is something I will surely bring with me in the years to come, to help me in future works like this, and to apply what I've learned in the different things I do and will do.