



PSDian seniors bag 2 Nat'l Research wins

By: Danica Pilapil

Grade 12 students, Roma Angelica N. Manaois and Safia Lucille B. Barbacena harvested major awards in two different research competitions namely: the National Scientific Research and Innovation Week 2022 and one of the Shell Awardees on October 3rd at the MOEHE's auditorium.

Under the supervision of Dr. Julie Ann B. Real, Manaois and Barbacena bested 1645 participants that presented 853 research project entries, 238 of which qualified for the final competitions, based on the contest organizer and sponsor, the Ministry of Education and Higher Education (MOEHE).

Likewise, Manaois and Barbacena triumphed over 220 schools during the finals with their research **"The Use of Arduino Interface and Lemon Peels (Citrus Limon) in Making an Improvised Air Ionizer-Purifier,"** with the product being divided into 3 components: First, the improvised air ionizer, then the improvised air purifier with the activated carbon made from lemon peels, and the Arduino interface which served as the command center of the whole system. The participants submitted the study last 2021. This was aside from the research study that they did with Mikhaela Palabrica when they were in their Grade 10 of Junior High School.

“For me, I didn’t really realize how big the competition was until we were asked to take a picture with the principals and mentors and even Dr. Alexander Acosta himself.”

Stated by Barbacena, as she was asked how she felt when they were called as winners, she also stated that it was only after a few hours post-competition when she realized how big of a deal it was for them to win.

Manaois, on the other hand, said that she felt fulfilled and thankful that their efforts were recognized.

These winnings are relevant testaments to the Outcome-Based Education thrust of the school as it promotes Research-adeptness as one of its core values.



Ms. Manaois and Ms. Barbacena proudly stand along with their supervisors, Dr. Real, Dr. Villanueva, Dr. Formaran, and Dr. Acosta, after the competition.



The representatives of MOEHE and Dr. Real join the winners to receive their trophy.



With extreme pride and happiness, the winners collect their iPad prizes from the representatives of MOEHE.