Experiments comparing the performance of PET bottle filters by material

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No significant differences were found with filtration experiments.

• We tried to find out which materials used in these experiments was causing some problems.

Method

Make the same filtration system that was used before.
Filter the water of the Ishite River using that system.
Perform the pack test. (twice)



Pour in!



Result











Consideration

- Based on the NO₃ & COD results, we concluded that wood chips were not suitable for filtration.
- Based on the NH4 results, we concluded that pumice stones were a good choice for filtration.
- We considered activated charcoal to be unsuitable as a filtration material from various perspectives.



There is a problem that the number of experiments is insufficient.



Thank you for listening!!