

## **ABSTRACT**

*Aluminium sulfate is a chemical substance that has the characteristics of, no smell, no colour (or transparent), and safe to use. Other than that, it also has an easy to crystallize character. The crystal from aluminium sulfate is usually used to observe the crystallization process because of it's easy to find and cheap to buy ingredients, and also the quick and easycrystallization process. The characteristics of an aluminium sulfate crystal is it has an octahedron shape (two pyramids facing each other) and has no colour. In this research the type is exploration, but using experiment method so the results are more diverse.*

*Afterdoing many experiments, the best result came from dilluting 35 gr of aluminium sulfate into 200 ml of distilate water that is 70°C in temperature for 48 hours. From this formula we can modificate it with adding other things such as colouring. From that we got more diverse results such as a cube crystal, and a crystal that has different shapes in each side. After that, the exploration results is used further to be applicated to a product*

**Keyword** : *Aluminiu sulfate, crystalization, experiment.*