

## ABSTRACT

PT. Saraswanti Indo Genetech is a laboratory company that provides detection services for quality control for other companies that need permission from BPOM to commercialize their product. This project is one of the company's projects for expanding its scope of services. The project's goal is to identify the problem in growing the positive control of the IFU (The International Fruit and Vegetable Juice Association) method for detecting *Alicyclobacillus* bacteria. Based on the personnel in the company, due to the nature of the acidophilic and thermophilic bacteria, *Alicyclobacillus* is quite challenging to grow. Therefore, troubleshooting in growing the control positive is needed because control positive is necessary when detecting the *Alicyclobacillus acidoterrestris*. The experiment is first growing the *Alicyclobacillus acidoterrestris* through enrichment. To confirm that the bacteria have been successfully grown, a spore stain and peroxidase test on guaiacol production are performed. After conducting the experiment with several repetitions, the results indicate that the *Alicyclobacillus acidoterrestris* has successfully grown and been detected. Therefore, it can be concluded that there is no problem in growing the positive control of *Alicyclobacillus acidoterrestris*.