

## ABSTRACT

**Putri Nur Khalisha. B.1810783.** Studying Food Safety Analysis in Fish Ball Through Identification of Borax, Formalin and Microbial Contaminants in Palabuhanratu District. Supervised by Noli Novidahlia and Nursyawal Nacing.

Palabuhanratu District is one of the districts in Sukabumi Regency, located close to the sea and also has one of the largest fishing ports in West Java. This causes a lot of fishery products and processed fishery products find in Palabuhanratu District, one of which is fish ball. Fish ball is perishable foods. The purpose of this study is to identify the contents of borax, formalin and total microbes in fish balls in Palabuhanratu District. Samples taken by using simple random sampling method and obtained 17 samples. Testing of borax and formalin using a kit and microbial contamination using the *Total Plate Count* (TPC) method. The result shows that 6% of samples are positive contains borax and 53% of samples are positive contains formalin. In the microbial contamination test, all samples contains microbes below the maximum limit of  $1.0 \times 10^5$  colonies/g that means they meet the quality requirements of fish balls according to SNI 7266:2014.

Keywords: borax, fish ball, formalin, microbes, Palabuhanratu District