ABSTRACT

Some experiments has been done to the processing food in the central cafetaria of Sepuluh Nopember Institut of Technology (ITS) Surabaya that is predicted polluted by Coliform bacterial. The aim of this experiment is to estimate the number of Coliform bacterial at processing food in central cafetaria ITS Surabaya, including omlet, rawon, tahu tek, ayam penyet, soto ayam, soto daging, nasi goreng, mie goreng, pecel, rujak cingur, sate ayam, bakso, siomay, sup, lontong balap, sate kambing dan rendang.

The analize of Coliform bacterial to the processing food in central cafetaria ITS Surabaya has been done during October – November using double tube with manner 3x3x3 and the result is analized by Most Probable Number (MPN) methode.

The result of the MPN Coliform value to tahu tek, lontong balap, siomay, rujak cingur, sate ayam, sate kambing and ayam penyet equal to > 1100 cell /100 ml, mie goreng 210 cell/100 ml, nasi goreng 150 cell/ 100 ml, soto daging dan bakso 28 cell/100 ml, sup, rendang dan rawon 23 cell/100 ml, soto ayam 21 cell/ 100 ml dan omlet < 3 cell/100 ml.

The level of food sanitation inversely proportional with the MPN Coliform value, as the MPN Coliform value higher the food sanitation level lower.

Keyword: Contamination, Processing food, Coliform bacterial, MPN Coliform, Food sanitation