ABSTRACT

It has been research the Total Plate Count (TPC) of Bacteria of foods in the centre canteen of Institute of Technology Sepuluh Nopember (ITS) Surabaya. There are eight kinds of sample foods have been taken randomly at 08.30 AM, 10.30 AM, 12.30 AM, 02.30 PM, and 04.30 PM, in a day only without any repetition. Those sample of foods are “soto” of chicken, omelette, “pecel”, fried chicken, fried rice, “siomay”, soup and “sate” of goat. Each of foods is represented by a food seller. And the result of research is known that TPC of “soto” of chicken for about $281 \times 10^1 - 105 \times 10^2$ cfu/ml, omelette $144 \times 10^1 - 132 \times 10^2$ cfu/ml, “pecel” $248 \times 10^2$ cfu/ml, fried chicken to $80 \times 10^4 - 268 \times 10^4$ cfu/ml, fried rice $172 \times 10^4 - 256 \times 10^4$ cfu/ml, “siomay” $201 \times 10^4 - 104 \times 10^4$ cfu/ml, soup range from $91 \times 10^1 - 56 \times 10^2$ cfu/ml and “sate” of goat $128 \times 10^3 - 192 \times 10^4$ cfu/ml. Based on the standard of “Badan Pengawas Obat dan Makanan” (BPOM), the only “pecel” can’t be consumed properly.

Keyword: Contamination, Bacteria, Total Plate Count (TPC).