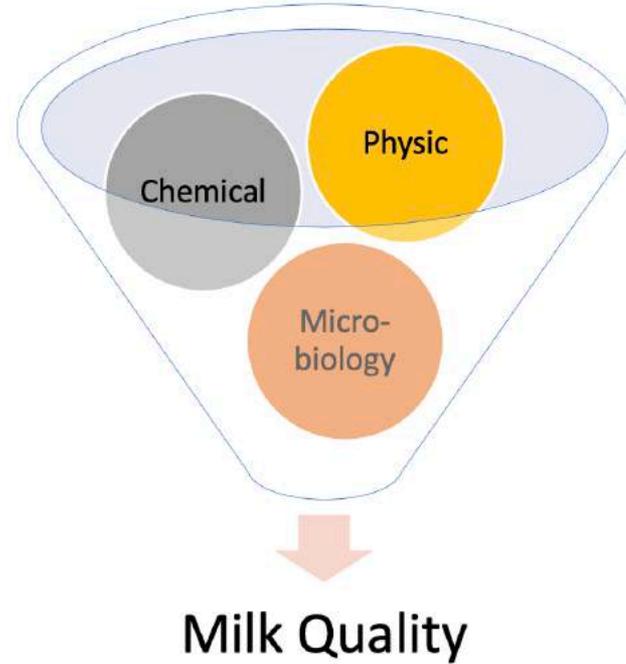


Milk Quality at KUD GIRI TANI

YUNI RESTI
College of Vocational Studies
IPB University



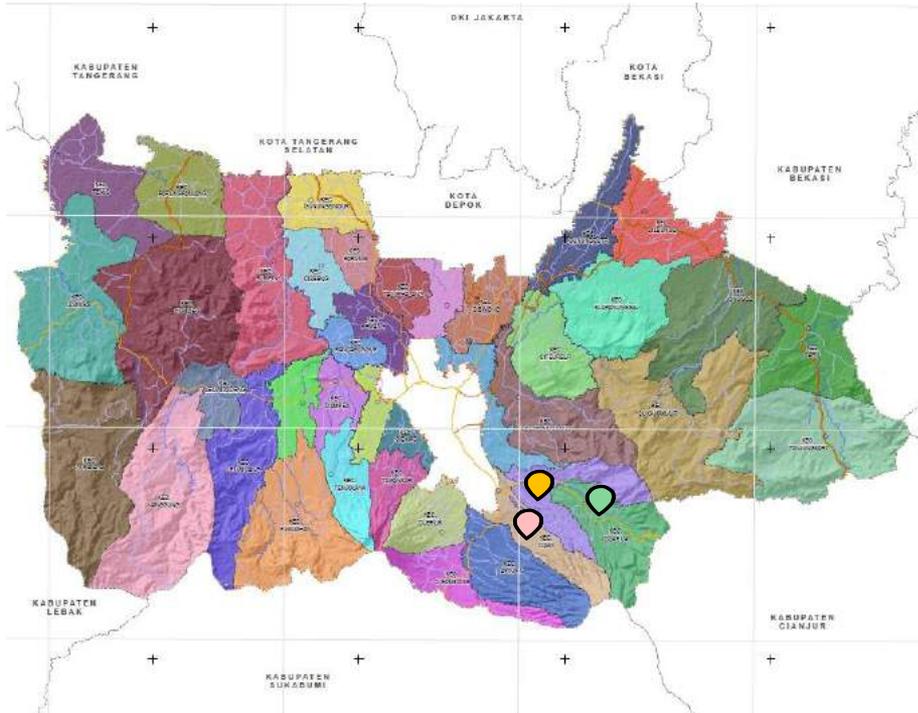
Latar Belakang



Tujuan

- ❖ Mengidentifikasi sumber kontaminasi mikroba (TPC) dalam perwakilan rantai pasokan susu peternak di Jawa Barat
- ❖ Menilai kontribusi relatifnya terhadap kualitas susu secara keseluruhan





Sumber : Kabupaten Bogor, 2019

Sebaran Sample



CISARUA



CIPAYUNG



CIAWI

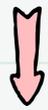
STUDY PROCESS

01



Equipment preparation

02



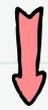
Sampling

03



Bacteria inoculation

04



Incubation

05

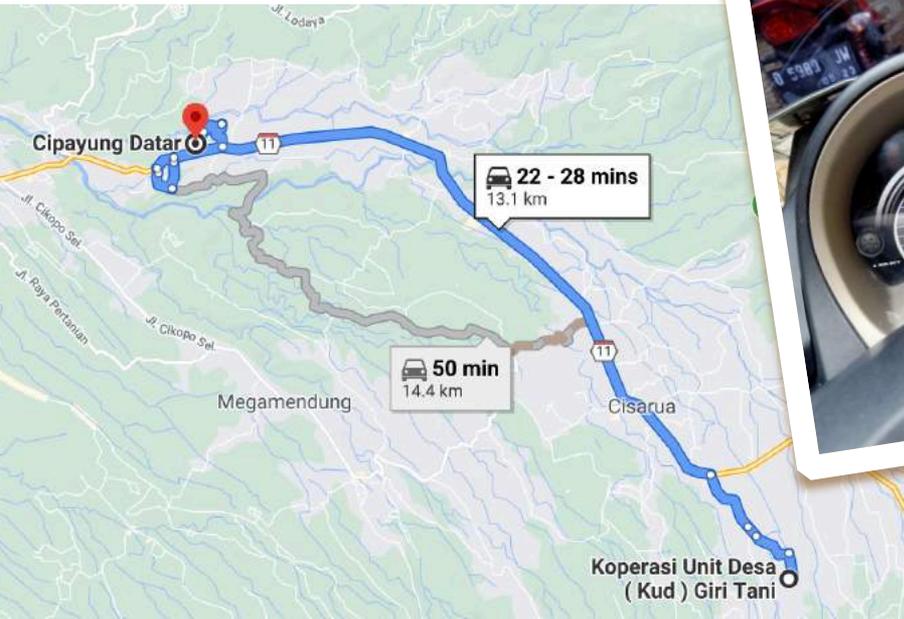
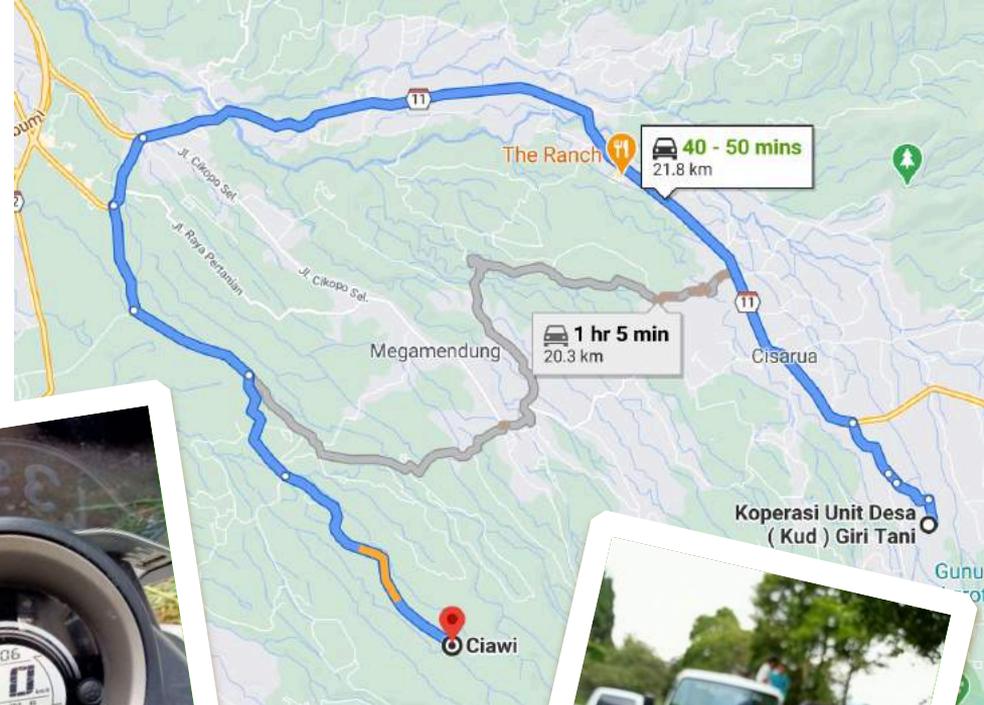


TPC calculation

A hand-drawn banner with a thick black outline and a white fill. The banner is curved and has a slightly irregular, hand-drawn appearance. The word "SAMPLING" is written in the center of the banner in a bold, black, sans-serif font. The banner is positioned horizontally in the middle of the page.

SAMPLING

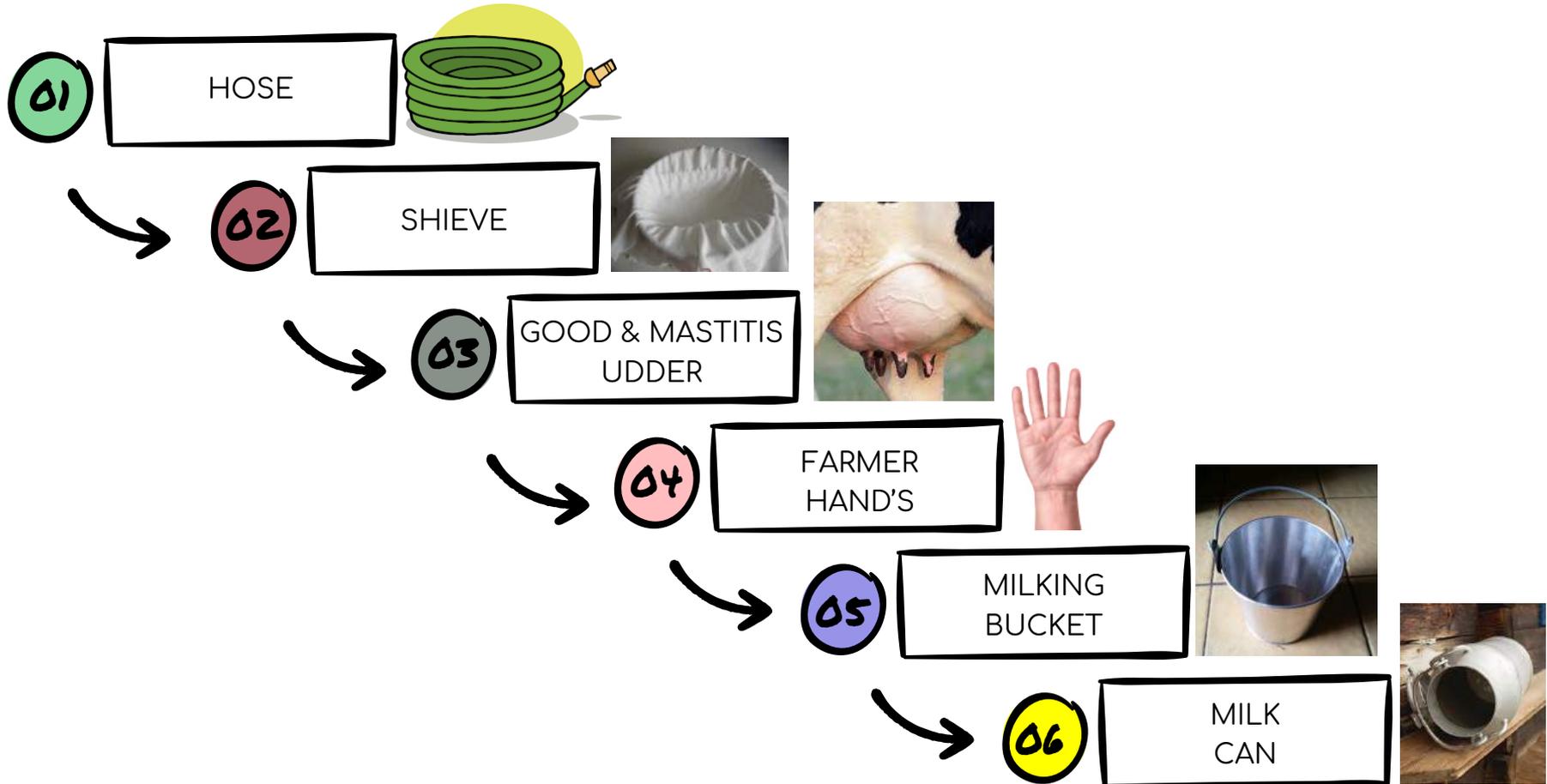
DISTANCE (KM) AND TIMER

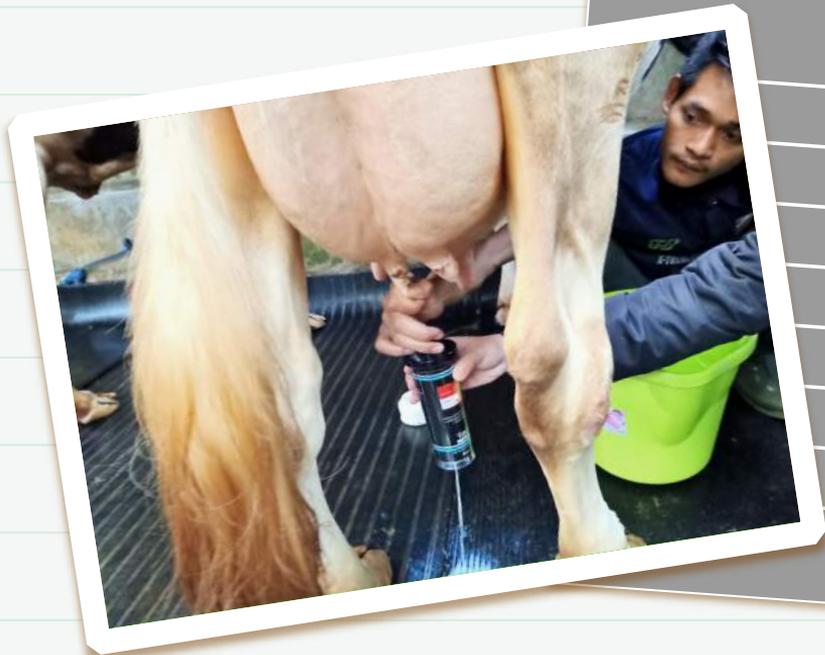




SWAB

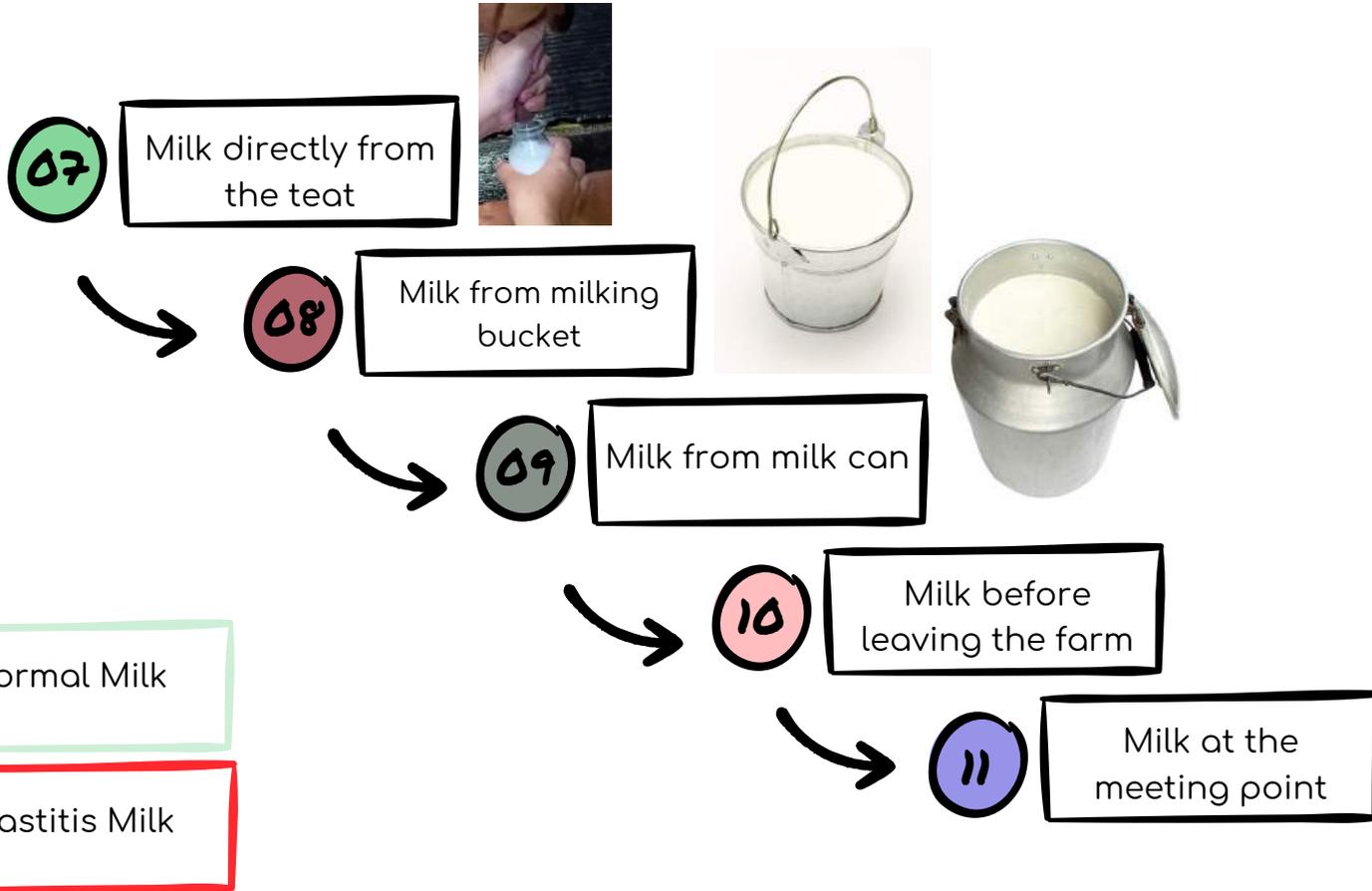
SWAB SAMPLES





**MASTITIS TEST
(WITH MAS-D-TEC)**

MILK SAMPLES AT FARM LEVEL





WATER SAMPLING

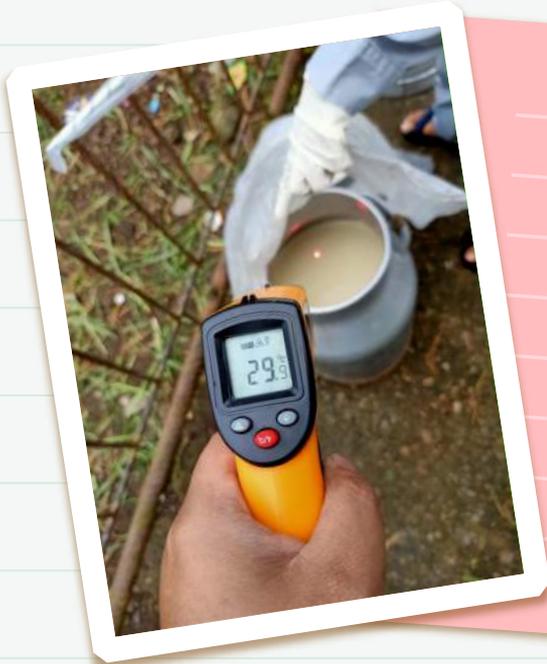
12

FROM HOSE



13

FROM DRUM



TEMPERATURE

MILK SAMPLES AT COOPERATIVE LEVEL



MILK FROM TRUCK TANK :

14

At in the truck

15

At the Cooperative



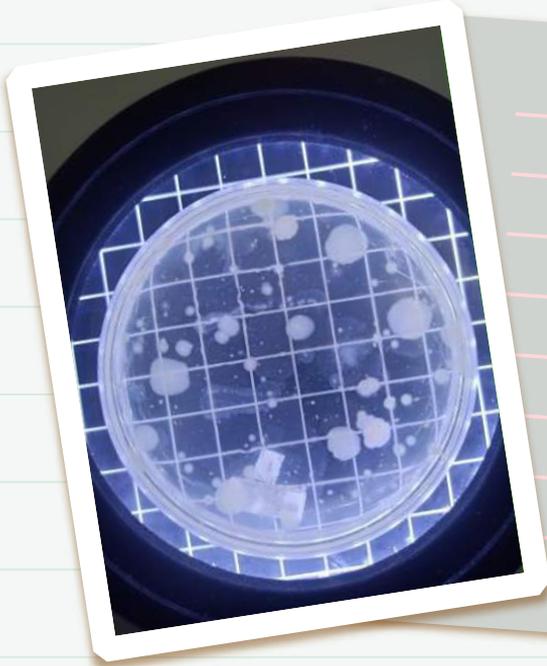
INOCULATION



INCUBATION

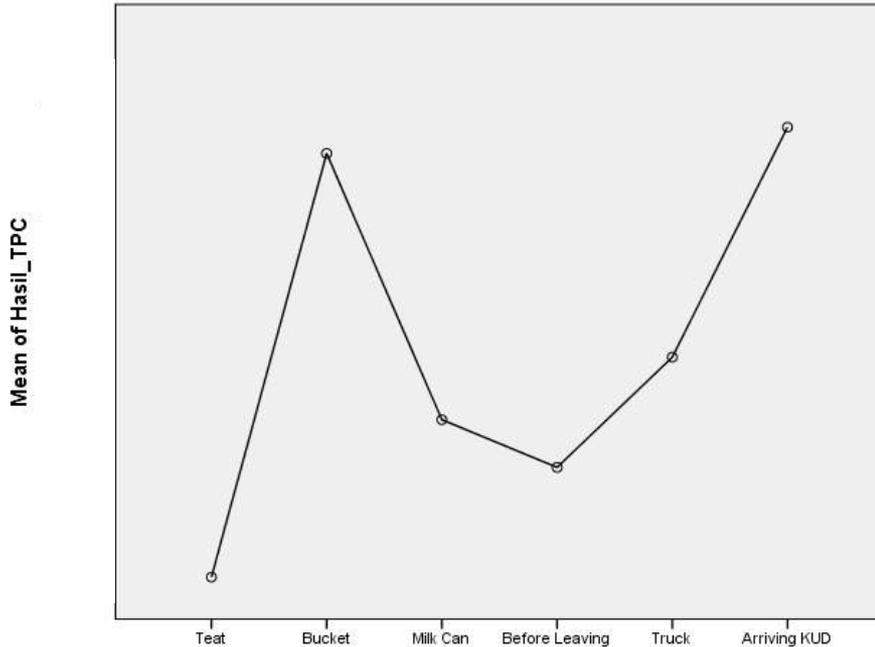


TOTAL PLATE COUNT (TPC) CALCULATION



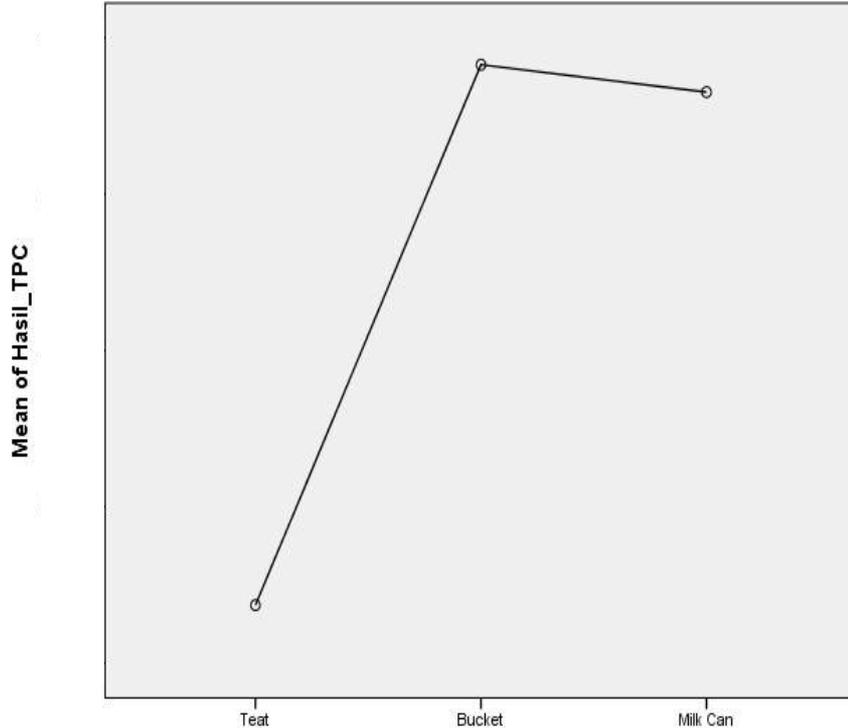
BACTERIA

RESULT : TPC AT FARM TO COOPERATIVE LEVEL



- Waktu perjalanan memiliki pengaruh dalam perkembangan jumlah TPC
- Peralatan pemerahan (bucket) berpengaruh terhadap jumlah TPC

RESULT : TPC AT FARM LEVEL



- Terjadi peningkatan jumlah bakteri pada saat susu yang diperah langsung dari puting disimpan di ember perah



THANKS !