**Bacteria colonies counting**

By

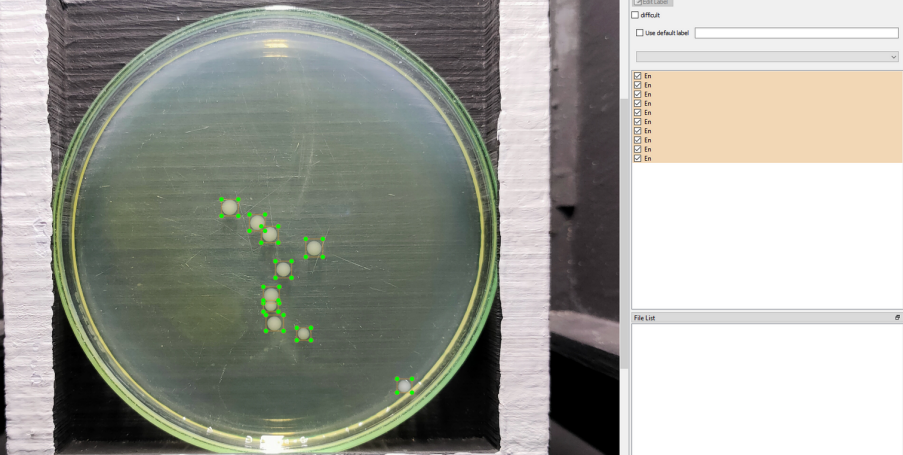
62361000 JATUPAT THAWEEKASIKUM

62361321 JEDSADA NUMPARWAT

**Medthod**

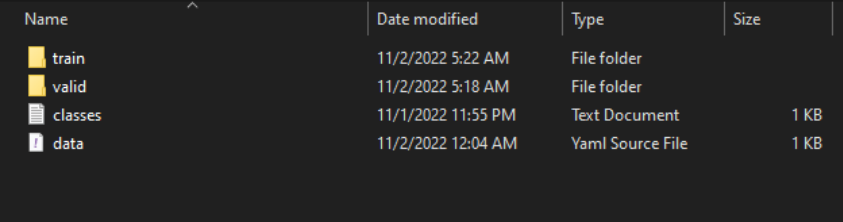
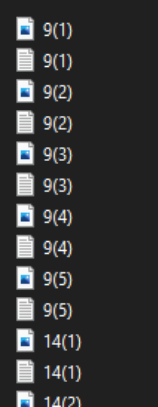
**01.**

**Labeling**

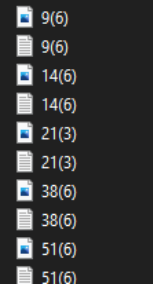
****

**Medthod**

**Dataset**

****

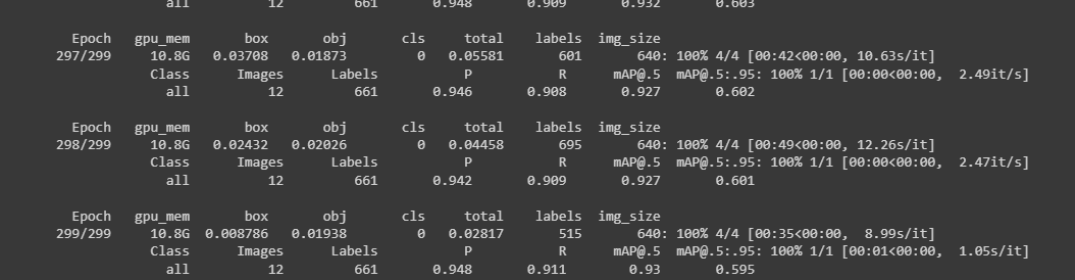
**train valid**

****

**Medthod**

**02.**

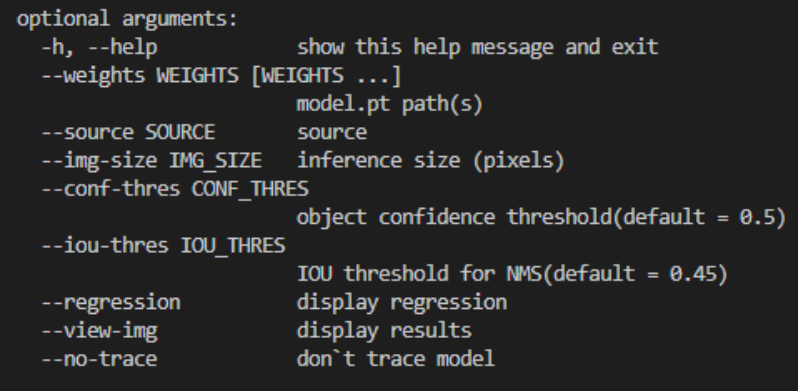
**Training**

****

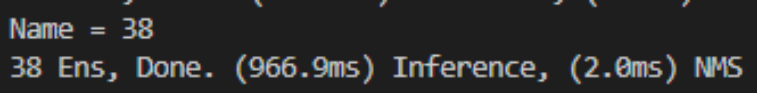
**Medthod**

**03.**

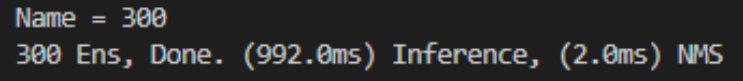
**Counting**

****

**Counting Result**

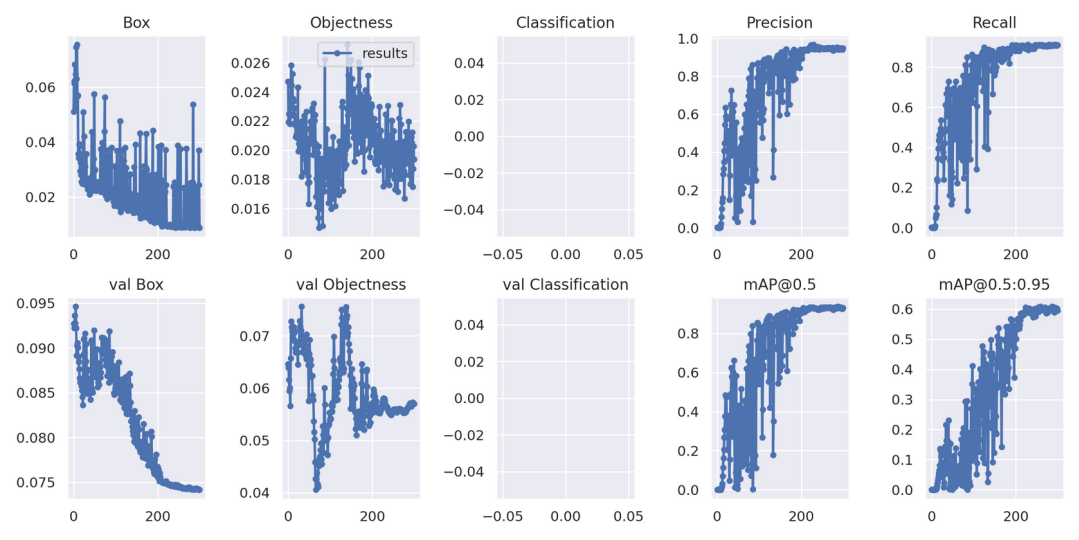
****

**Test with 300 colonies**

****

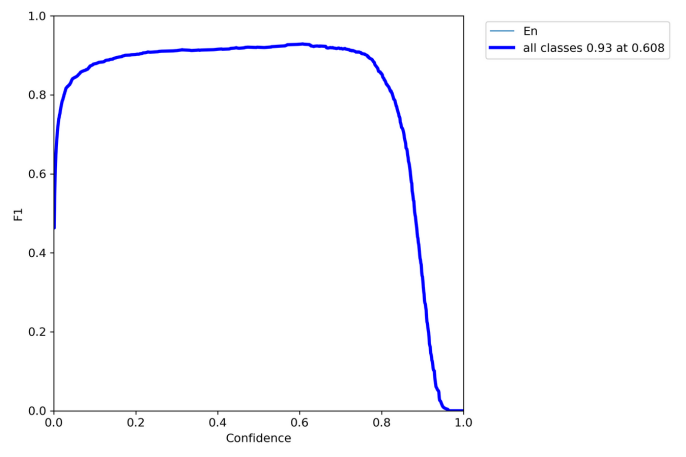
**Model Evaluations**

**Training result**

****

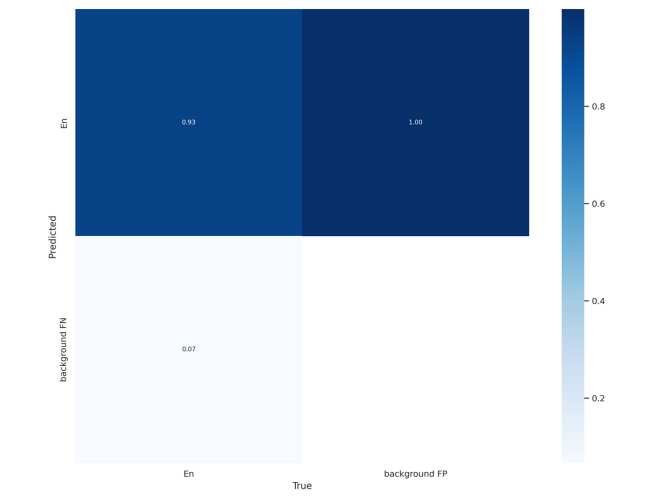
**Model Evaluations**

**F1**

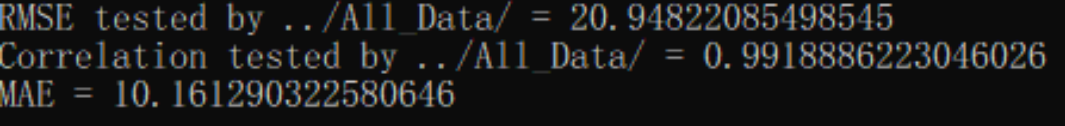
****

**Model Evaluations**

**Confusion Matrix**

****

**Counter Evaluations**

****test with 9-265 colonies

**End**