# FCS Test Report

# Howard Setyamukti

# **Data Summary**

Separated data, termed as mother and bud, exclude G1 phase.

```
summary(rpl)
    CellCyclePhase Morphology
                                   Density
##
    G2
           :11
                   bud
                         :13
                                Min.
                                       : 727.9
   late S : 2
                                1st Qu.:4822.2
##
                   mother:14
##
   mitosis:14
                                Median :5571.6
##
                                       :5748.8
                                Mean
##
                                3rd Qu.:6947.2
##
                                Max.
                                       :9289.5
```

# **ANOVA**

The following is the result of ANOVA where it is demonstrated that there is significant difference between groups (mothers and buds).

# Validity Check

Normality test, confirmed by Shapiro-Wilk test of normality.

```
#plot(res.aov, 2)
aov_residuals <- residuals(object = res.aov)
shapiro.test(x = aov_residuals)

##
## Shapiro-Wilk normality test
##
## data: aov_residuals
## W = 0.97152, p-value = 0.6423</pre>
```