RESULTS FOR BASE MODEL

LOSS PLOT and ACCURACY PLOT

```
# Loss Plot                                    # Accuracy Plot
plt.plot(hist.history['loss'])                 plt.plot(hist.history['accuracy'])

[<matplotlib.lines.Line2D at 0x7f3c8ca1ed90>]  [<matplotlib.lines.Line2D at 0x7f3c8c586990>]
```
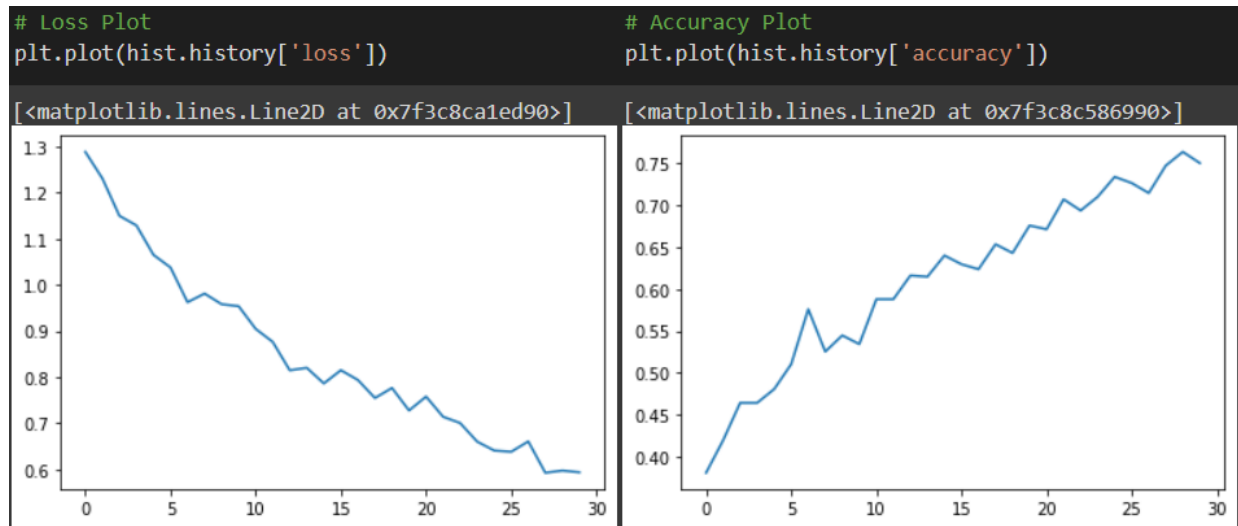

Accuracy on Test Data

```
Accuracy = 67.2316384180791
```

Confusion Matrix
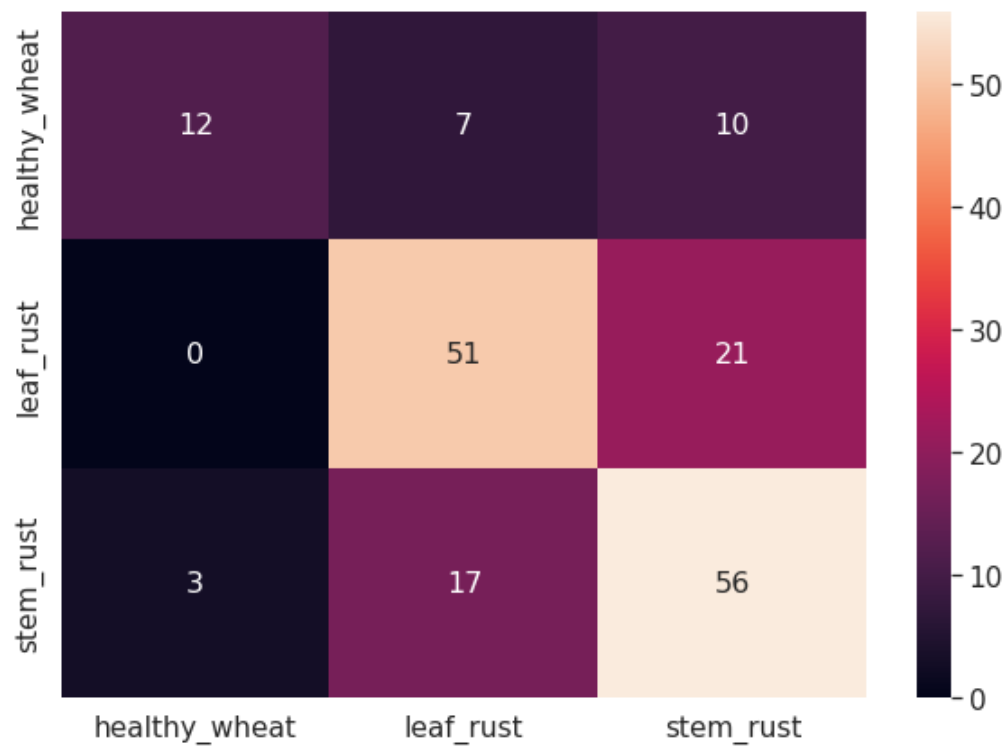
RESULTS FOR CHANGE 1

LOSS PLOT and ACCURACY PLOT


```
# Loss Plot
plt.plot(hist.history['loss'])

[<matplotlib.lines.Line2D at 0x7f4f5ed2a390>]
```

```
# Accuracy Plot
plt.plot(hist.history['accuracy'])

[<matplotlib.lines.Line2D at 0x7f4f5e88cbd0>]
```
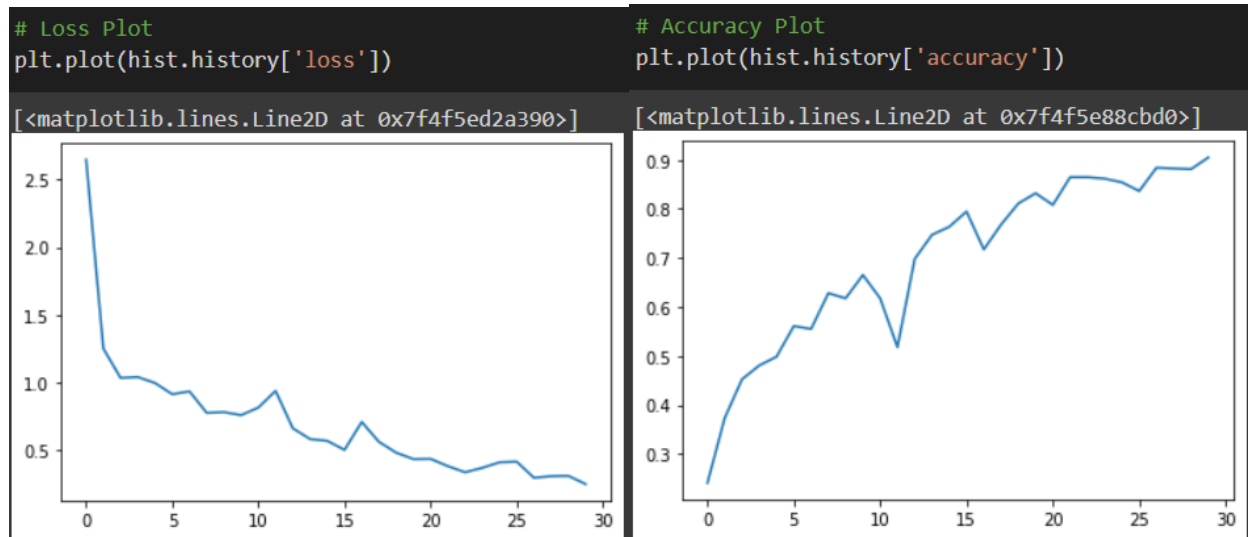
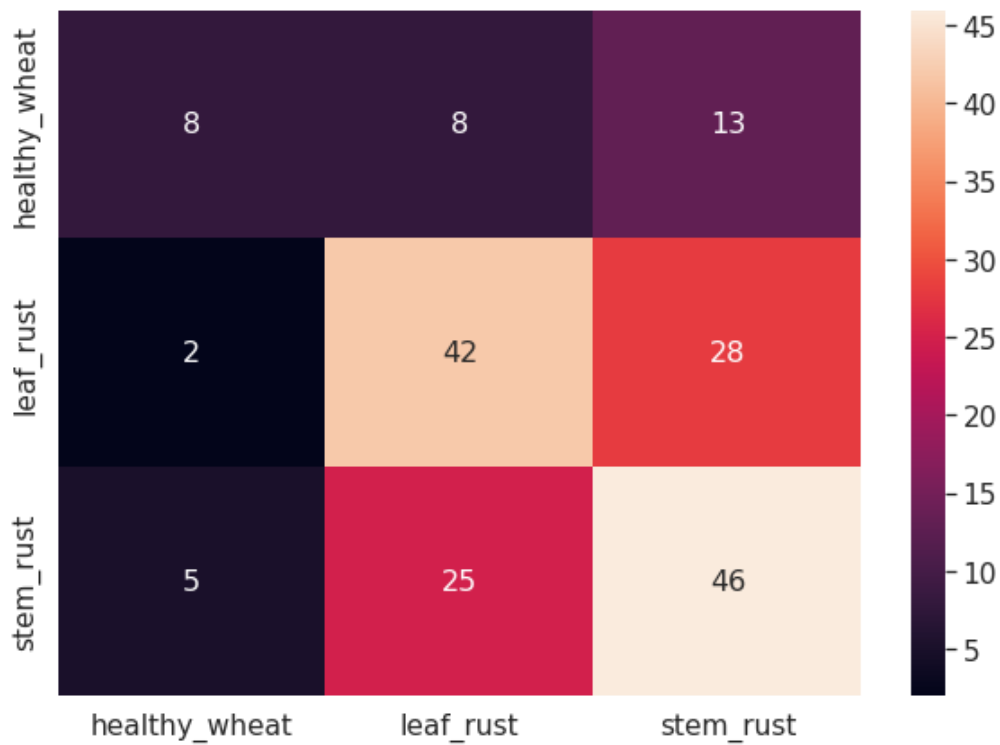## Accuracy on Test Data

Accuracy = 54.23728813559322

Confusion Matrix

RESULTS FOR CHANGE 2

LOSS PLOT and ACCURACY PLOT


```
# Loss Plot
plt.plot(hist.history['loss'])
```
[<matplotlib.lines.Line2D at 0x7fbff028a590>]

```
# Accuracy Plot
plt.plot(hist.history['accuracy'])
```
[<matplotlib.lines.Line2D at 0x7fbf0843b590>]
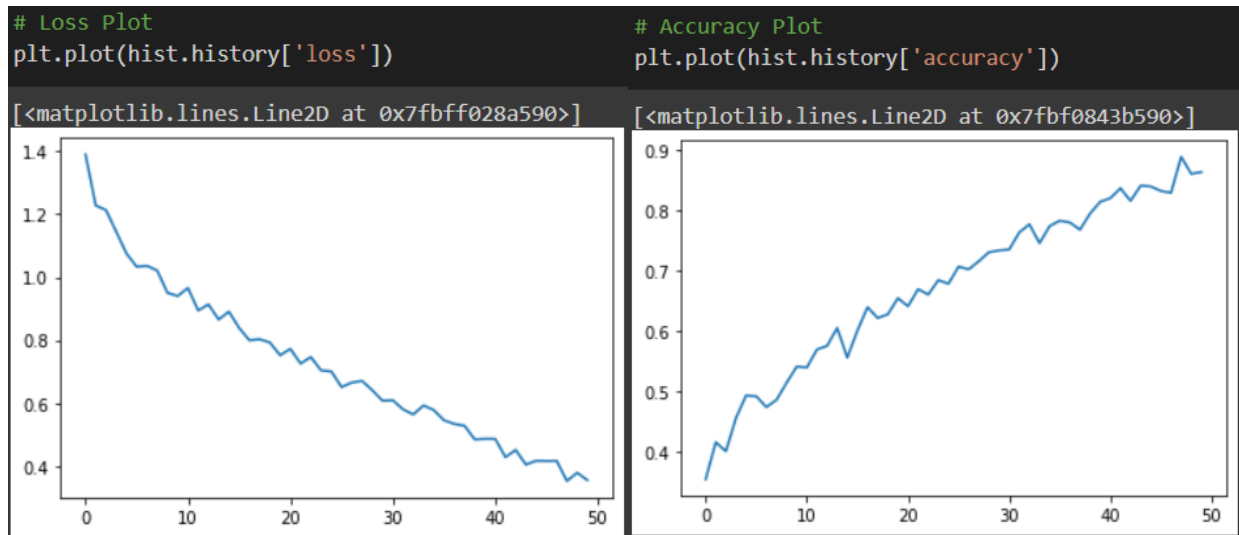
Accuracy on Test Data

Accuracy = 61.5819209039548

Confusion Matrix
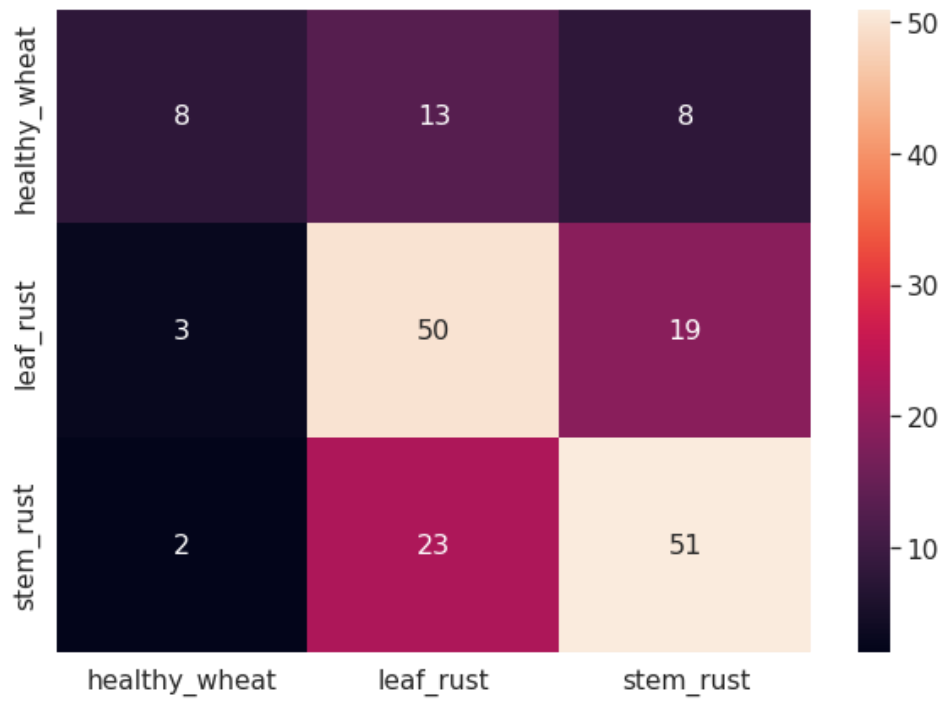
RESULTS for change 3

LOSS PLOT and ACCURACY PLOT

```
# Loss Plot
plt.plot(hist.history['loss'])

[<matplotlib.lines.Line2D at 0x7ffa3ef5e8d0>]
```

```
# Accuracy Plot
plt.plot(hist.history['accuracy'])

[<matplotlib.lines.Line2D at 0x7ff9cb157c90>]
```
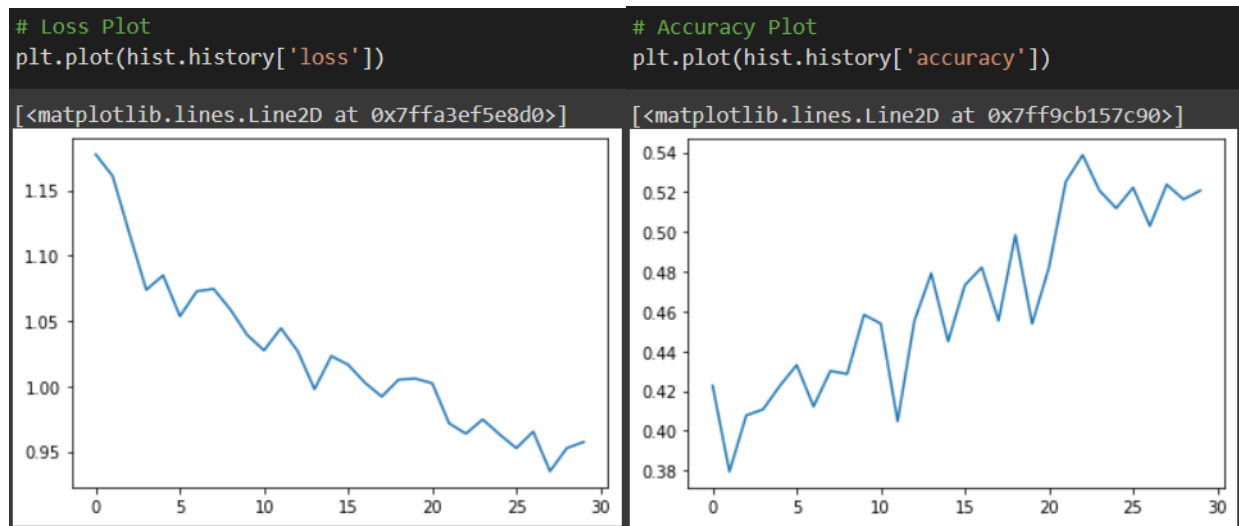
Accuracy on Test Data

```
Accuracy = 52.54237288135594
```

Confusion Matrix
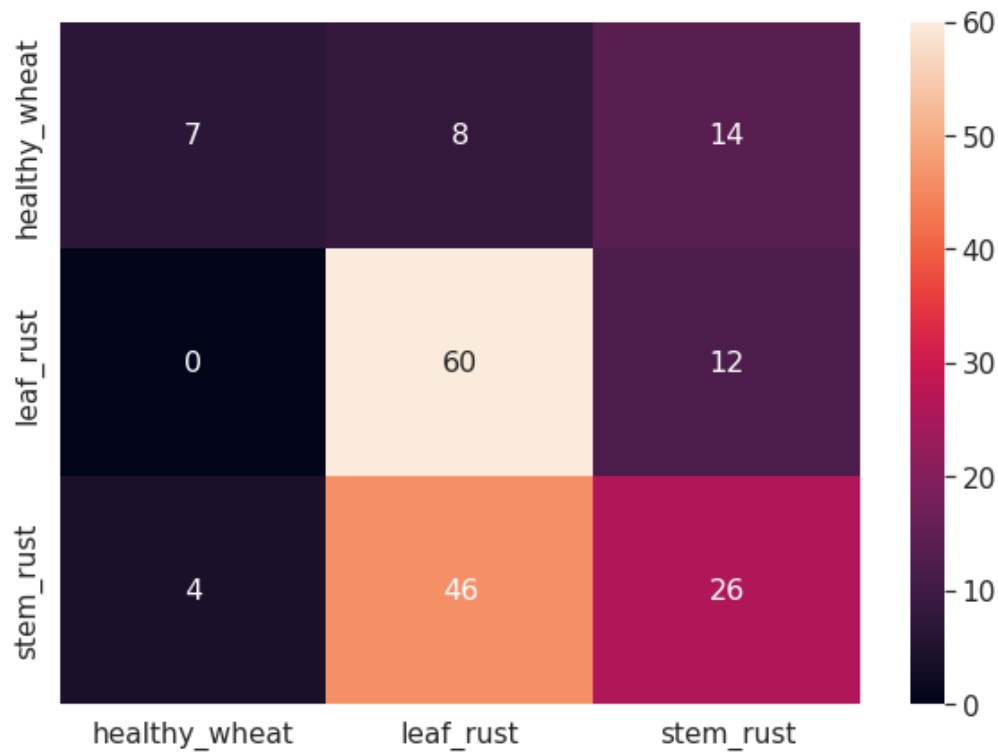
RESULTS for CHANGE 4

LOSS PLOT and ACCURACY PLOT

```
# Loss Plot
plt.plot(hist.history['loss'])
```

[<matplotlib.lines.Line2D at 0x7feb971a0ad0>]

```
# Accuracy Plot
plt.plot(hist.history['accuracy'])
```

[<matplotlib.lines.Line2D at 0x7feb96c7dc90>]
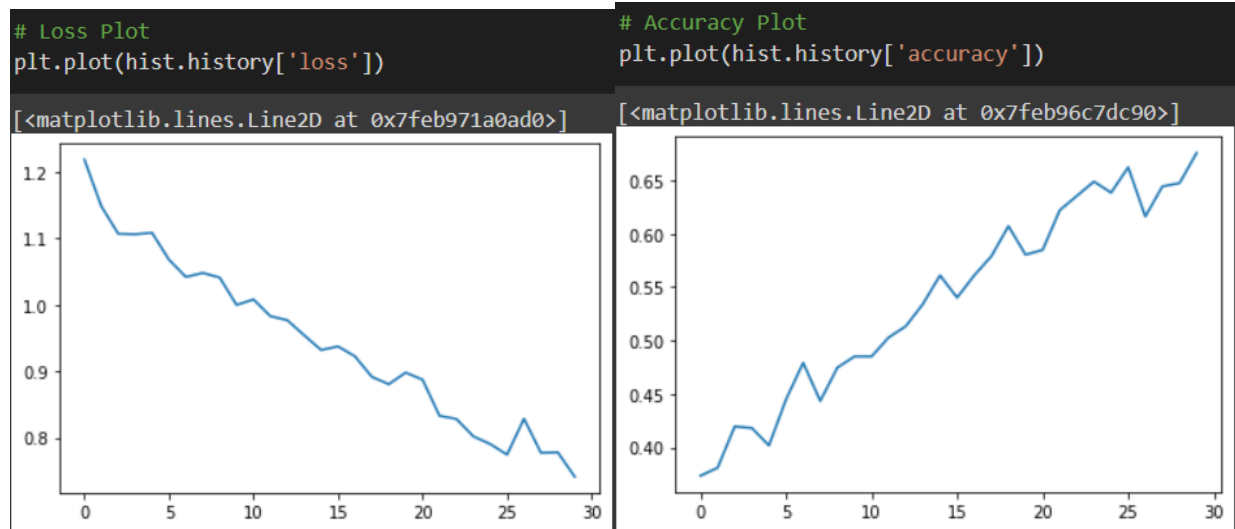
Accuracy on Test Data

Accuracy = 57.6271186440678

Confusion Matrix