MODEL PERFORMANCE TEST

Team ID	PNT2022TMID52565
Project Name	Fertilizers Recommendation System For Disease Prediction

Model Summary

```
Model: "sequential"
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 Layer (type)                Output Shape              Param #
=================================================================
 conv2d (Conv2D)             (None, 126, 126, 32)      896

 max_pooling2d (MaxPooling2D  (None, 63, 63, 32)        0
 )

 flatten (Flatten)           (None, 127008)            0

=================================================================
Total params: 896
Trainable params: 896
Non-trainable params: 0
_____
```

Accuracy

```
Epoch 1/10
225/225 [==============================] - 181s 794ms/step - loss: 1.3568 - accuracy: 0.7741 - val_loss: 0.2199 - val_accuracy: 0.9223
Epoch 2/10
225/225 [==============================] - 128s 567ms/step - loss: 0.2579 - accuracy: 0.9131 - val_loss: 0.2168 - val_accuracy: 0.9300
Epoch 3/10
225/225 [==============================] - 129s 571ms/step - loss: 0.1956 - accuracy: 0.9313 - val_loss: 0.2582 - val_accuracy: 0.9170
Epoch 4/10
225/225 [==============================] - 139s 616ms/step - loss: 0.1594 - accuracy: 0.9484 - val_loss: 0.2140 - val_accuracy: 0.9294
Epoch 5/10
225/225 [==============================] - 193s 856ms/step - loss: 0.1345 - accuracy: 0.9519 - val_loss: 0.2716 - val_accuracy: 0.9176
Epoch 6/10
225/225 [==============================] - 201s 890ms/step - loss: 0.1416 - accuracy: 0.9486 - val_loss: 0.1998 - val_accuracy: 0.9389
Epoch 7/10
225/225 [==============================] - 176s 780ms/step - loss: 0.1240 - accuracy: 0.9562 - val_loss: 0.1667 - val_accuracy: 0.9478
Epoch 8/10
225/225 [==============================] - 83s 370ms/step - loss: 0.0964 - accuracy: 0.9668 - val_loss: 0.2221 - val_accuracy: 0.9401
Epoch 9/10
225/225 [==============================] - 144s 639ms/step - loss: 0.0823 - accuracy: 0.9731 - val_loss: 0.0893 - val_accuracy: 0.9739
Epoch 10/10
225/225 [==============================] - 132s 587ms/step - loss: 0.0793 - accuracy: 0.9718 - val_loss: 0.1110 - val_accuracy: 0.9620
```