# Iris Flower Prediction Application Using Logistic Regression

# Created project by:

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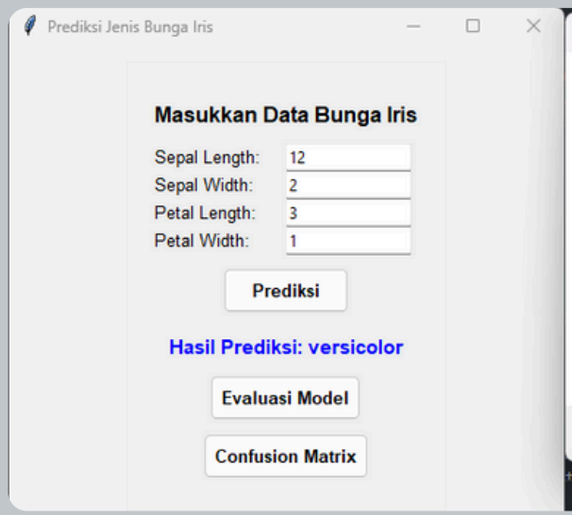
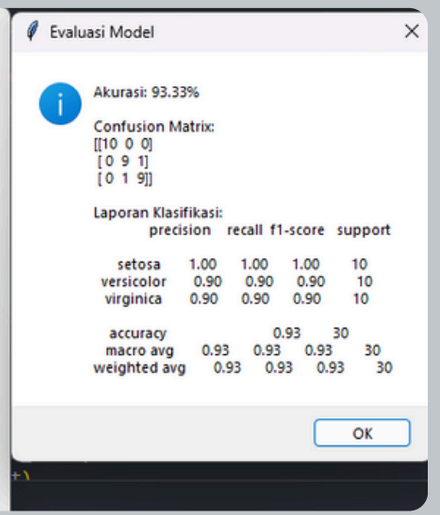
# ABOUT PROJECT

This project is a Machine Learning-based classification system built using Logistic Regression to predict the type of Iris flower based on input features. The system is designed with a Graphical User Interface (GUI) using Tkinter, making it user-friendly and interactive.

# RESULTS


Prediksi Jenis Bunga Iris
Masukkan Data Bunga Iris
Sepal Length:
Sepal Width:
Petal Length:
Petal Width:
Prediksi
Evaluasi Model
Confusion Matrix


Prediksi Jenis Bunga Iris
Masukkan Data Bunga Iris
Sepal Length: 12
Sepal Width: 2
Petal Length: 3
Petal Width: 1
Prediksi
Hasil Prediksi: versicolor
Evaluasi Model
Confusion Matrix


Evaluasi Model
Akurasi: 93.33%
Confusion Matrix:
[[10 0 0]
[ 0 9 1]
[ 0 1 9]]
Laporan Klasifikasi:
precision recall f1-score support
setosa 1.00 1.00 1.00 10
versicolor 0.90 0.90 0.90 10
virginica 0.90 0.90 0.90 10
accuracy 0.93 30
macro avg 0.93 0.93 0.93 30
weighted avg 0.93 0.93 0.93 30
OK

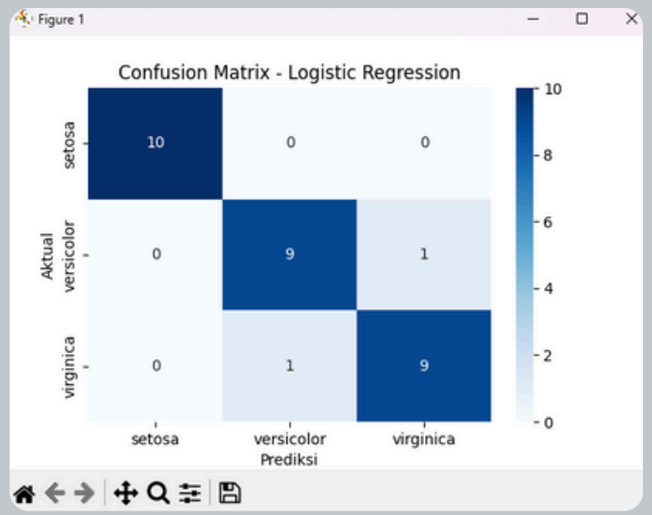


Figure 1
Confusion Matrix - Logistic Regression
Aktual
setosa
versicolor
virginica
Prediksi
10
0
0
0
9
1
0
1
9

# CONTACT ME

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