Classes: ['acai', 'pupunha', 'cupuacu', 'tucuma', 'guarana', 'graviola']



Found 72 images belonging to 6 classes.

```
/usr/local/lib/python3.11/dist-packages/keras/src/trainers/data_adapters/py_dataset_adapter.py:121: UserWarning: Your `PyDataset` class should call `super().__init__(**kwargs)` in its calf._warn_if_super_not_called()

Epoch 1/30

98 7s/step - accuracy: 0.1324 - loss: 4.1515

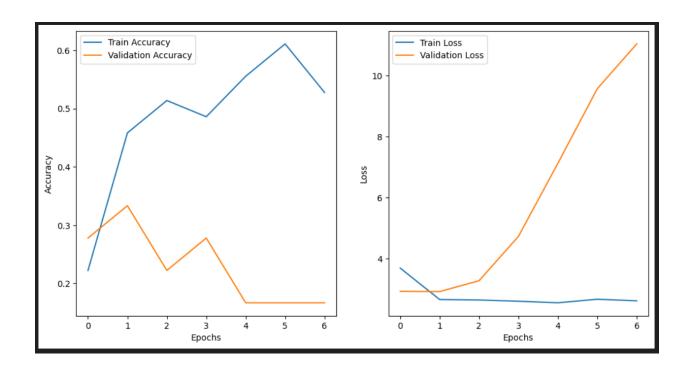
WARNING:absl:You are saving your model as an HDF5 file via `model.save()` or `keras.saving.save_model(model)`. This file format is considered legacy. We recommend using instead the nate of the production of the production
```

1/1		<b>1s</b> 1s/ste	ep	
	precision	recall	f1-score	support
aca	i 0.00	0.00	0.00	5
pupunh	a 0.25	1.00	0.40	5
cupuac	u 0.00	0.00	0.00	5
tucum	a 0.00	0.00	0.00	5
guaran	a 0.62	1.00	0.77	5
graviol	a 0.00	0.00	0.00	5
accurac	у		0.33	30
macro av	g 0.15	0.33	0.19	30
weighted av	g 0.15	0.33	0.19	30

/usr/local/lib/python3.11/dist-packages/sklearn/metrics/\_classification.py:1565: UndefinedMetricWarning
 \_warn\_prf(average, modifier, f"{metric.capitalize()} is", len(result))

/usr/local/lib/python3.11/dist-packages/sklearn/metrics/\_classification.py:1565: UndefinedMetricWarning \_warn\_prf(average, modifier, f"{metric.capitalize()} is", len(result))

/usr/local/lib/python3.11/dist-packages/sklearn/metrics/\_classification.py:1565: UndefinedMetricWarning \_warn\_prf(average, modifier, f"{metric.capitalize()} is", len(result))



373	Epoch 1/30
3/3	3/3 0s 648ms/step - accuracy: 0.2657 - loss: 2.3201
12	WARNIING:absl:You are saving your model as an HDF5 file via `model.save()` or `keras.saving.save_model(model)`. This file format is considered legacy. We recommend using instead the native Keras format, e.g. `model.sav
Special Contract   Special Con	000000000000000000000000000000000000000
	3/3 12s 2s/step - accuracy: 0.2549 - loss: 2.3198 - val_accuracy: 0.2222 - val_loss: 1.9954 - learning_rate: 0.0010
WORDHING:abcl.You are saving your model as an HPS file via "model.save" of 'keras.saving.save_model(model)'. This file format is considered legacy. We recommend using instead the native Keras format, e.g. 'model.save (models)' and 's 22-/step - accuracy: 0.4123 - loss: 1.7330 - val_accuracy: 0.4444 - val_loss: 1.4282 - learning_rate: 0.6010 [poch A/70]   3/3	Epoch 2/30
3/3	3/3
3/3	WARNING:absl:You are saving your model as an HDF5 file via `model.save()` or `keras.saving.save model(model)`. This file format is considered legacy. We recommend using instead the native Keras format, e.g. `model.sav
Special Content of the Content of	
Special Content of the Content of	3/36s_2s/step - accuracy: 0.4123 - loss: 1.7130 - val accuracy: 0.4444 - val loss: 1.4282 - learning rate: 0.0010
### BARTIMS: absolvation = accuracy: 9.3944 - loss: 1.4936  #### BARTIMS: absolvation = saving your model as an #### BATTMS: absolvation = saving saving your model as an #### BATTMS: absolvation = saving your wodel as an #### BATTMS: absolvation = saving your wodel as an #### BATTMS: absolvation = saving your wodel as an #### BATTMS: absolvation = saving your w	
WARRING-abel-You are saving your model as an HDF 5 file via "model.save()" or "keras.saving.save_model(model)". This file format is considered legacy. We recommend using instead the native Keras format, e.g. "model.save "model.save"	
3/3	
34	
Popch   4/30   3/3   2s 408ms/step - accuracy: 0.5286 - loss: 0.9597 - val_accuracy: 0.5000 - val_loss: 1.1580 - learning_rate: 0.0010	
24 408ms/step - accuracy: 0.5286 - loss: 0.9507 - val_accuracy: 0.5000 - val_loss: 1.1580 - learning_rate: 0.0010     3/3	
Epoch 5/38   3/3	
### ### ##############################	
WANNING-abel-You are saving your model as an HDF file via 'model save()' or 'keras.saving.save_model(model)'. This file format is considered legacy. We recommend using instead the native Keras format, e.g. 'model.save()' or 'keras.saving.save_model(model)'. This file format is considered legacy. We recommend using instead the native Keras format, e.g. 'model.save()' and 'keras.saving.save_model(model)'. This file format is considered legacy. We recommend using instead the native Keras format, e.g. 'model.save()' and 'keras.saving.save_model(model)'. This file format is considered legacy. We recommend using instead the native Keras format, e.g. 'model.save()' and 'keras.saving.save_model(model)'. This file format is considered legacy. We recommend using instead the native Keras format, e.g. 'model.save()' and 'keras.saving.save_model(model)'. This file format is considered legacy. We recommend using instead the native Keras format, e.g. 'model.save()' and 'keras.saving.save_model(model)'. This file format is considered legacy. We recommend using instead the native Keras format, e.g. 'model.save()' and 'keras.saving.save_model(model)'. This file format is considered legacy. We recommend using instead the native Keras format, e.g. 'model.save()' and 'keras.saving.save_model(model)'. This file format is considered legacy. We recommend using instead the native Keras format, e.g. 'model.save()' and 'keras.saving.save_model(model)'. This file format is considered legacy. We recommend using instead the native Keras format, e.g. 'model.save()' and 'keras.saving.save_model(model)'. This file format is considered legacy. We recommend using instead the native Keras format, e.g. 'model.save()' and 'keras.saving.save_model(model)'. This file format is considered legacy. We recommend using instead the native Keras format, e.g. 'model.save()' and 'keras.saving.save_model(model)'. This file format is considered legacy. We recommend using instead the native Keras format, e.g. 'model.save()' and 'keras.saving.save_model(model)'	
3/3   2   28   3/4   18/5   19/5   26/5	
25 841ms/step - accuracy: 0.7236 - loss: 0.7535 - val_accuracy: 0.7222 - val_loss: 0.9767 - learning_rate: 0.0010 [poch 6/30	
Epoch 6/30   2s 770ms/step - accuracy: 0.8531 - loss: 0.5173 - val_accuracy: 0.7222 - val_loss: 0.8294 - learning_rate: 0.0010	
24 770ms/step - accuracy: 0.8531 - loss: 0.5173 - val_accuracy: 0.7722 - val_loss: 0.8294 - learning_rate: 0.0010 Fipoch 7/30 373	
Specific	
3/3	
Epoch 8/30   82 76 mm/step - accuracy: 0.8657 - loss: 0.4015	
3/3	
WANDENGLADELYOW are saving your model as an HDF file via model as a HDF file via model	
As   Is/step - accuracy: 0.8611 - loss: 0.3997 - val_accuracy: 0.8333 - val_loss: 0.5864 - learning_rate: 0.0010	
4s   1s/step - accuracy: 0.8611 - loss: 0.3997 - val_accuracy: 0.8333 - val_loss: 0.5864 - learning_rate: 0.0010     3/3	
Epoch 9/30 3/3 2s 717ms/step - accuracy: 0.8111 - loss: 0.4936 - val_accuracy: 0.7778 - val_loss: 0.5697 - learning_rate: 0.0010 Epoch 11/30 3/3 2s 1s/step - accuracy: 0.9458 - loss: 0.2534 - val_accuracy: 0.7778 - val_loss: 0.5827 - learning_rate: 0.0010 Epoch 11/30 3/3 3s 937ms/step - accuracy: 0.9247 - loss: 0.2861 - val_accuracy: 0.8333 - val_loss: 0.6355 - learning_rate: 0.0010 Epoch 12/30 3/3 2s 733ms/step - accuracy: 0.9333 - loss: 0.2065 - val_accuracy: 0.8333 - val_loss: 0.6742 - learning_rate: 0.0010 Epoch 13/30 3/3 2s 846ms/step - accuracy: 0.9582 - loss: 0.1814 - val_accuracy: 0.8333 - val_loss: 0.6596 - learning_rate: 0.0010	
3/3 2 717ms/step - accuracy: 0.8111 - loss: 0.4936 - val_accuracy: 0.7778 - val_loss: 0.5607 - learning_rate: 0.0010  1/3 2 1s/step - accuracy: 0.9458 - loss: 0.2534 - val_accuracy: 0.7778 - val_loss: 0.5827 - learning_rate: 0.0010  1/3 3/3 3 937ms/step - accuracy: 0.9247 - loss: 0.2861 - val_accuracy: 0.8333 - val_loss: 0.6355 - learning_rate: 0.0010  1/3 2 5 733ms/step - accuracy: 0.9333 - loss: 0.2865 - val_accuracy: 0.8333 - val_loss: 0.6742 - learning_rate: 0.0010  1/3 2 5 733ms/step - accuracy: 0.9333 - loss: 0.2865 - val_accuracy: 0.8333 - val_loss: 0.6742 - learning_rate: 0.0010  1/3 2 5 846ms/step - accuracy: 0.9582 - loss: 0.1814 - val_accuracy: 0.8333 - val_loss: 0.6596 - learning_rate: 0.0010	
<pre>Epoch 10/30 3/3</pre>	
3/3 2	
Epoch 11/30  3/3 — 3s 937ms/step - accuracy: 0.9247 - loss: 0.2861 - val_accuracy: 0.8333 - val_loss: 0.6355 - learning_rate: 0.0010 Epoch 12/30  3/3 — 2s 733ms/step - accuracy: 0.9333 - loss: 0.2065 - val_accuracy: 0.8333 - val_loss: 0.6742 - learning_rate: 0.0010 Epoch 13/30  3/3 — 2s 846ms/step - accuracy: 0.9582 - loss: 0.1814 - val_accuracy: 0.8333 - val_loss: 0.6596 - learning_rate: 5.0000e-04	
3/3 393ms/step - accuracy: 0.9247 - loss: 0.2861 - val_accuracy: 0.8333 - val_loss: 0.6355 - learning_rate: 0.0010 [ lpoch 12/30 25 733ms/step - accuracy: 0.9333 - loss: 0.2865 - val_accuracy: 0.8333 - val_loss: 0.6742 - learning_rate: 0.0010 [ lpoch 13/30 25 846ms/step - accuracy: 0.9582 - loss: 0.1814 - val_accuracy: 0.8333 - val_loss: 0.6596 - learning_rate: 5.0000e-04	
Epoch 12/30 3/3 2s 733ms/step - accuracy: 0.9333 - loss: 0.2065 - val_accuracy: 0.8333 - val_loss: 0.6742 - learning_rate: 0.0010 Epoch 13/30 3/3 2s 846ms/step - accuracy: 0.9582 - loss: 0.1814 - val_accuracy: 0.8333 - val_loss: 0.6596 - learning_rate: 5.0000e-04	
3/3	
Epoch 13/30  3/3 — 2s 846ms/step - accuracy: 0.9582 - loss: 0.1814 - val_accuracy: 0.8333 - val_loss: 0.6596 - learning_rate: 5.0000e-04	
3/3	
Epoch 14/30	
	Epoch 14/30

## 1/1 -- **2s** 2s/step Inference Output: First 20 Samples: 1. True: acai - Predicted: acai 2. True: acai - Predicted: acai 3. True: acai - Predicted: acai 4. True: acai - Predicted: acai 5. True: acai - Predicted: acai 6. True: pupunha - Predicted: pupunha 7. True: pupunha - Predicted: pupunha 8. True: pupunha - Predicted: pupunha 9. True: pupunha - Predicted: pupunha 10. True: pupunha - Predicted: pupunha 11. True: cupuacu - Predicted: cupuacu 12. True: cupuacu - Predicted: cupuacu 13. True: cupuacu - Predicted: cupuacu 14. True: cupuacu - Predicted: cupuacu 15. True: cupuacu - Predicted: cupuacu 16. True: tucuma - Predicted: tucuma 17. True: tucuma - Predicted: tucuma 18. True: tucuma - Predicted: tucuma 19. True: tucuma - Predicted: tucuma 20. True: tucuma - Predicted: tucuma

Classificatio	on Report:				
precision		recall	f1-score	support	
acai	1.00	1.00	1.00	5	
pupunha	1.00	1.00	1.00	5	
cupuacu	1.00	1.00	1.00	5	
tucuma	0.83	1.00	0.91	5	
guarana	1.00	1.00	1.00	5	
graviola	1.00	0.80	0.89	5	
accupacy			0.97	30	
accuracy	0.07	0.97			
macro avg	0.97		0.97	30	
weighted avg	0.97	0.97	0.97	30	

