WEEK 1 - WEEK 5

**Objectives:**

1. Clean, filter and categorize all the data.
2. Proceed with data augmentation techniques to increase datasets for each class.
3. Proceed with data annotation

| Name | Date modified | Type |
|---|---|---|
| 1Unknown | 25/12/2023 4:12 PM | File folder |
| Branch palm oil | 25/12/2023 3:53 PM | File folder |
| Overripe (orange) | 25/12/2023 4:02 PM | File folder |
| Ripe (orange-red) | 25/12/2023 4:16 PM | File folder |
| Underripe (red-purple) | 25/12/2023 4:16 PM | File folder |
| Unripe (purple-black) | 25/12/2023 3:49 PM | File folder |

The data was obtained from Dr. Nurulaqilla. The dataset was cleaned and filtered to only high-quality pictures. The images are then categorized into several classes. Unfortunately, the number of images in some of the classes are imbalance from one another. Therefore, the classes are reduced to only three which are overripe, underripe and ripe which totaled to 193 images.


Overipe (Orange)


Underipe (red-purple)


Ripe (Orange-red)

The images are then augmented using rotation and crop techniques through Roboflow. The dataset is increased to 309 total images.

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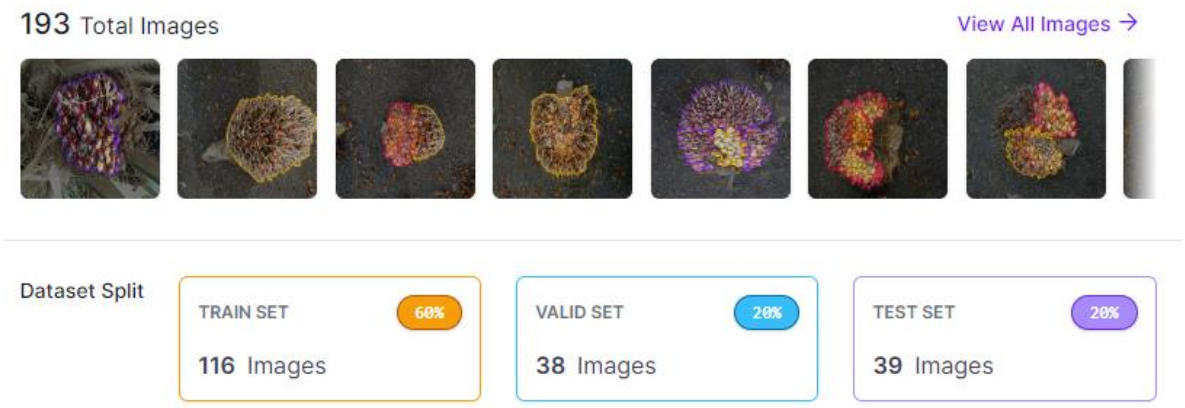
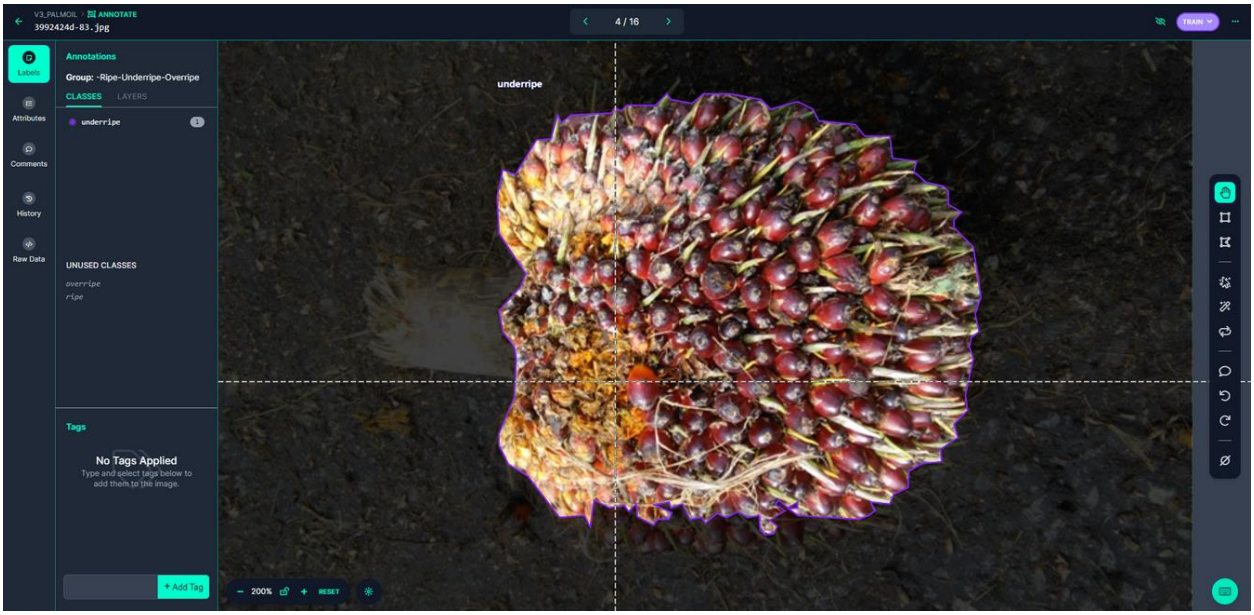
|---|---|
| **Student's Name/Signature:**<br>MUHAMMAD SHAHIRUL AFIQ BIN SUKAIRI<br><br>**Date: 20/6/2024** | **Supervisor's Name/Signature:**<br><br>**Date:** |

WEEK 1 - WEEK 5




Previously the images are annotated using CVAT.ai but due to several problems, Roboflow was used instead.

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