

Daftar Gambar

2.1	Mask R-CNN	22
2.2	Fast R-CNN	23
2.3	Faster R-CNN	24
2.4	Arduino	24
2.5	Sensor PIR	25
2.6	Kamera OV7670	26
3.1	Diagram Alir Riset Penelitian	28
3.2	Diagram Alir Metodologi Objek Deteksi	30
3.3	Diagram Alir Metodologi rangkaian prototype	31
3.4	Diagram Alir Metodologi Objektif Ketiga	33
3.5	Gambar yang sudah di anotasi	35
3.6	Alur Gambar Data test	35
3.7	Arsitektur Perangkat Deteksi Hama	37
4.1	Split data	40
4.2	Sebelum di Augmentasi	40
4.3	Sudah di Augmentasi	40
4.4	Loss Mask - RCNN Learning Rate 0.0001	41
4.5	Loss Mask - RCNN Learning Rate 0.01	41
4.6	Loss Faster - RCNN Learning Rate 0.0001	42
4.7	Loss Faster - RCNN Learning Rate 0.01	42
4.8	Loss Fast - RCNN Learning Rate 0.0001	43
4.9	Loss Fast - RCNN Learning Rate 0.01	43
4.10	ArduiImageCapture	44
4.11	Rangkaian Prototype	45
4.12	Hasil Tangkapan Kamera	45
4.13	Hasil deteksi objek	48
4.14	Hasil deteksi objek	48
4.15	Hasil MQTT	49