

## V. SIMPULAN DAN SARAN

### A. Simpulan

Berdasarkan hasil penelitian prevalensi malaria unggas pada burung madu sriganti (*cinnyris jugularis*) dengan teknik *polymerase chain reaction* (PCR) dapat disimpulkan:

1. Parasit *Plasmodium* dan/atau *Haemoproteus* ditemukan pada sampel burung Madu sriganti.
2. Prevalensi parasit *Plasmodium* dan/atau *Haemoproteus* pada burung Madu sriganti adalah 25 %.

### B. Saran

Saran yang dapat diberikan untuk memajukan dan mengembangkan penelitian ini yaitu:

1. Perlu dilakukan penelitian lebih lanjut mengenai dampak infeksi *Plasmodium* dan/atau *Haemoproteus* pada demografi burung madu sriganti.
2. Menambahkan RNase pada waktu ekstraksi sampel DNA sehingga dapat mengurangi pengaruh RNA sebagai kontaminan dalam proses PCR.
3. Penentuan kualitas dan kuantitas DNA sebaiknya dilakukan dengan menggunakan alat seperti Gene Quant agar diperoleh hasil pengukuran konsentrasi DNA ekstraksi yang tepat.

4. Penelitian ini terbatas pada identifikasi ada dan tidaknya infeksi, untuk menentukan jenis parasit *Plasmodium* dan/atau *Haemoproteus* dalam sampel darah burung madu sriganti perlu dilakukan *sequencing* DNA.



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## LAMPIRAN

Lampiran. Lokasi Sampling Penelitian



Gambar 17. Lokasi pemasangan perangkat jaring kabut (Googleearth, 2010)  
Keterangan : A= Tempat pelelangan ikan; B= tempat pemasangan jaring