

ABSTRAK

LAMA WAKTU STARVASI *Aphis gossypii* TERHADAP LAJU PENULARAN VIRUS PADA *Capsicum frutescens* L. SEBAGAI MODUL PEMBELAJARAN MIKROBIOLOGI

Amoi Sinaga

Email: amoi.sinaga@gmail.com

Penelitian ini bertujuan untuk: mengetahui apakah lama waktu starvasi mempercepat munculnya symptom virus pada tanaman *Capsicum frutescens* L. Penelitian dilaksanakan secara mandiri di tempat tinggal peneliti dengan menggunakan 3 perlakuan starvasi *Aphis gossypii*.

Hasil penelitian ini menunjukkan bahwa *Aphis gossypii* mampu menularkan virus setelah periode starvasi. Semakin lama periode starvasi maka persentase tanaman terinfeksi semakin meningkat cepat. Simpulan dari penelitian ini adalah lama waktu starvasi mempercepat munculnya symptom virus pada tanaman *Capsicum frutescens* dan laju penularan virus pada tanaman *Capsicum frutescens* melalui vektor *Aphis gossypii* berbanding lurus dengan periode starvasinya.

Kata kunci: *Aphis gossypii*, starvasi, *Capsicum frutescens* L., virus

ABSTRACT

STARVATION TIME OF *Aphis gossypii* ON THE RATE OF VIRUS TRANSMISSION IN *Capsicum frutescens* L. AS A LEARNING MODULE MICROBIOLOGY

Amoi Sinaga
Email: amoi.sinaga@gmail.com

This study aims to: determine whether the length of time starvation accelerates the emergence of viral symptoms in Capsicum frutescent L. The study was carried out independently at the researcher's residence using 3 starvation treatments of *Aphis gossypii*.

The results of this study indicate that *Aphis gossypii* is capable of transmitting the virus after the starvation period. The longer the starvation period, the percentage of infected plants increased rapidly. The conclusion of this study is that the length of time starvation accelerates the emergence of viral symptoms in Capsicum frutescent plants and the rate of virus transmission in Capsicum frutescent plants through the *Aphis gossypii* vector is directly proportional to the starvation period.

Keywords: *Aphis gossypii*, starvasi, *Capsicum frutescens* L., virus