TABEL

**Tabel 1.** Keragaman serangga berdasar fungsi ekosistem pada tanaman semangka

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Sebelum berbunga | Masa berbunga | Berbuah |  |
| **Ordo** | **Famili** | **Spesies** | **∑** | **M**±stdev | **∑** | **M**±stdev | **∑** | **M**±stdev | **fungsi ekos** |
| Orthoptera | Acrididae | *Atractomorpha crenulata* | 23 | 2,3 ± 2,05 | 158 | 15,8 ±5,78 | 139 | 13,9 ± 2,02 | hama  |
|  |  | *Locusta migratoria* | 26 | 2,6±1,77 | 180 | 18 ± 4,73 | 143 | 14,3 ±4,57 | hama  |
|  | Tettigonidae | *Conocephalus fasciatus* | 2 | 0,2±0,42 | 38 | 3,8 ± 2,69 | 56 | 5,6 ± 2,54 | hama  |
|  | Acrididae | *Psoloessa texana* | 5 | 0,5±0,7 | 28 | 2,8 ± 1,31 | 48 | 4,8 ± 1,31 | hama  |
|  |  | *Valanga nigricornis* | 2 | 0,2±0,42 | 16 | 1,6 ± 1,26 | 27 | 2,7 ± 1,33 | hama  |
|   | Mantidae | *Mantis religiosa* | 11 | 1,1±1,28 | 38 | 3,8 ± 1,54 | 17 | 1,7 ± 1,63 | predator |
| Coleoptera | Chrysomelidae | *Aulacophora similis* | 1 | 0,1±0,31 | 1 | 0,1 ± 0,31 | 23 | 2,3 ± 1,41 | predator |
|  | Reduviidae | [Aulacophora frontalis](https://www.google.co.id/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=&url=http%3A%2F%2Fwww.natureloveyou.sg%2FMinibeast-Beetle%2FAulacophora%2520frontalis%2FMain.html&bvm=bv.133387755,d.ZGg&psig=AFQjCNGcwJMQyNK51U1KPrDAJmo8Fj1CwA&ust=1474509985834503) | 3 | 0,3±0,48 | 25 | 2,5 ± 2,32 | 13 | 1,3 ± 2,66 | hama  |
|   | Coccinellidae | *Coccinella transversalis* | 2 | 0,2±0,42 | 11 | 1,1 ± 1,19 | 52 | 5,2 ± 1,33 | predator |
| Hemiptera | Alydidae | *Leptocorisa* sp. | 1 | 0,1±0,31 | 20 | 2 ± 1,05 | 10 | 1 ± 2,65 | hama  |
| Hymeoptera | Apidae | *Xylocopa confusa* | 0 | 0 | 2 | 0,2 ± 0,42 | 68 | 6,8 ± 0,81 | penyerbuk |
|  |  | *Campsomeris plumipes* | 0 | 0 | 49 | 4,9 ± 4,72 | 154 | 15,4 ± 1,87 | penyerbuk |
|  |  | *Apis cerana* | 0 | 0 | 11 | 1,1 ± 1,91 | 77 | 7,7 ± 3,97 | penyerbuk |
| Diptera | [Syrphidae](http://www.diptera.info/forum/viewforum.php?forum_id=7) | *Ischiodon scutellaris* | 0 | 0 | 0 | 0 | 137 | 13,7 ± 3,62 | predator |
|  | Sarcophagidae | *Sarcophaga* sp. | 11 | 1,1±1,28 | 31 | 3,1 ± 1,19 | 51 | 5,1 ± 3,09 | parasitoid |
|  | Dolichopodidae | *Chrysosoma leucopogon* | 2 | 0,2±0,42 | 18 | 1,8 ± 1,75 | 23 | 2,3 ± 2,07 | penyerbuk |
|   | Muscidae | *Musca domestica* | 43 | 4,3±2,35 | 101 | 10,1 ± 3,75 | 65 | 6,5 ± 1,05 | penyerbuk |
| Total  |   |  | 132  | 727  | 1103  | 1753 |

Tabel 2. Parameter keragaman serangga berdasar fungsi ekosistem

|  |  |  |  |
| --- | --- | --- | --- |
| **parameter keanekaragaman** | **hama** | **predator** | **penyerbuk** |
| Taxa\_S | 7 | 4 | 5 |
| Individuals | 963 | 293 | 613 |
| Dominance\_D | 0,2638 | 0,3259 | 0,2645 |
| Shannon\_H | 1,56 | 1,235 | 1,446 |
| Simpson\_1-D | 0,7362 | 0,6741 | 0,7355 |
| Evenness\_e^H/S | 0,6799 | 0,8598 | 0,8489 |

Gambar 1 a.

|  |  |  |  |
| --- | --- | --- | --- |
|  | s.berbunga | berbunga | berbuah |
| hama | 62 | 465 | 436 |
| predator | 14 | 50 | 229 |
| penyerbuk | 45 | 387 | 181 |

Gambar 1 b.

Data

|  |  |  |  |
| --- | --- | --- | --- |
|  | HAMA | PRED | PENYER |
| IND | 963 | 293 | 613 |
| SP | 7 | 4 | 5 |