Tabel 1. Kondisi Ekologis dan Titik Pengambilan Sampel Hutan Kalirang dan Hutan Turgo

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Parameter** | **Hutan Turgo** | **Hutan Kaliurang** |
| 1. | Titik Pengambilan Sampel | S 07ο 35.202” – 07ο 35.109” E 110ο 24.978” – 110ο 24.951” | S 07ο35.917”E 110ο25.574” |
| 2. | Ketinggian | 9090-1030mdpl | 883-910 mdpl |
| 3. | Kelembaban  | 80-93% | 65-72% |
| 4. | Intensitas Cahaya | 50-58 lux | 85-90 lux |
| 5. | Suhu | 24-250c | 27oc |

Tabel 2. Jenis Lichen yang ditemukan di Hutan Kaliurang dan Turgo.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Familia** | **Genus** | **Spesies** | **Lokasi** |
|  1 | Parmeliaceace | *Parmelia* | *Parmelia crinita* | Turgodan Kaliurang |
| 2 | *Parmelia perlata* | Kaliurang |
| 3 | *Parmelia* sp. | Turgo |
| 4 | *Usnea* | *Usnea bismolliuscula* | Turgo |
| 5 | *Usnea baileyi* | Turgo |
| 6 | Physciaceae | *Physcia* | *Physcia* sp. | Kaliurang |
| 7 | Lobariaceae |  | *Lobaria amplissima* | Kaliurang |

Tabel 3. Kandungan Substansi Asam Lichen dalam Lichen yang ditemukan di Hutan Kaliurang danTurgo

|  |  |  |
| --- | --- | --- |
| **No** | **Jenis Lichen** | **Substansi Asam Lichen** |
| 1 | *Usneabismolliuscula* | nephroarcthin, asam 4-O Demetylbarbatic, asam *usnic*, asam *diffractaic*, asam *salazinic*, asam *norstictic*, asam *stictic*, asam *thamnolic*, atranorin |
| 2 | *Usneabaileyi* | asam 4-0 *metylphysodic*, asam *diffractaic*, asam *protocetraric*,asam*barbatic*,*zeorin*,*eumitrin*, asam *usnic* |
| 3 | *Parmelia crinita* | asam *haemathannmolic*, *diploicin*, *nephroarctin*, asam *diffractic*, asam *caperatic*,asam *retigeric*,  |
| 4 | *Parmelia perlata* | asam *caperatic*, asam *squamatic*, asam *protocetratic*, asam grayanic, asam *furmaprotocetratic*. |
| **5** | *Parmelia* sp. | asam*salazinic,* asam *lecanoric*,asam *furmaprotocetratic*. |
| **6** | *Physcia* sp. | *atranorin, lecotylin,*asam *caperatic* |
| **7** | *Lobaria amplissima* | asam *norstictic*, asam stictic, asam *constictic*,asam *usnic* |