

## Pengaruh Naungan Paranet terhadap Warna Daun dan Pertumbuhan *Syngonium podophyllum* Schott = The Effect of Shade Net on Leaf Color and Growth of *Syngonium podophyllum* Schott

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### Abstrak

Tanaman hias *syngonium podophyllum* menunjukkan variasi warna daun yang terbagi menjadi tiga, yaitu merah muda, kombinasi merah muda-hijau, dan hijau. Berdasarkan ketiga variasi tersebut, merah muda adalah warna daun yang paling diminati masyarakat. Intensitas cahaya matahari diduga berpengaruh terhadap variasi warna daun *S. podophyllum*. Penelitian dilakukan untuk mengetahui pengaruh intensitas cahaya terhadap variasi warna daun *S. podophyllum*. *Syngonium podophyllum* ditanam di dalam naungan paranet berbentuk kubus dengan kerapatan berbeda sebagai representasi intensitas cahaya yang diterima tanaman. Terdapat tiga perlakuan kerapatan paranet, yaitu 45%, 65%, dan 85%. Ketiga tanaman perlakuan dibandingkan terhadap tanaman kontrol yang ditumbuhkan tanpa naungan paranet. Pengambilan data berupa data kualitatif dan data kuantitatif dilakukan terhadap setiap tanaman. Data kualitatif berupa variasi bentuk dan warna daun, sedangkan data kuantitatif berupa pertumbuhan tanaman, kadar pigmen daun, dan parameter lingkungan. Hasil penelitian menunjukkan adanya pengaruh naungan paranet terhadap kemunculan warna daun *S. podophyllum*. Naungan paranet 85% memiliki tanaman dengan jumlah daun berwarna merah muda yang paling banyak dan laju pertumbuhan yang paling tinggi. Sementara itu, naungan paranet 65% menunjukkan peluang paling besar pada kemunculan daun berwarna kombinasi merah muda-hijau. Penelitian lebih lanjut perlu dilakukan untuk mengetahui faktor internal yang paling berpengaruh terhadap perubahan warna daun *S. podophyllum*

.....The ornamental plant *Syngonium podophyllum* displays leaf color variations that are divided into three categories: pink, pink-green combination, and green. Among these variations, the pink color is the most preferred by the community. It is believed that the intensity of sunlight affects the leaf color variations of *S. podophyllum*. A study was conducted to determine the effect of light intensity on the leaf color variations of *S. podophyllum*. *Syngonium podophyllum* plants were grown under cube-shaped shade nets with different densities to represent the received light intensity. Three shade net densities were used as treatments: 45%, 65%, and 85%. These three treatment plants were compared to a control plant grown without shade net. Data were collected for each plant, including qualitative data such as leaf shape and color variations, and quantitative data such as plant growth, leaf pigment content, and environmental parameters. The research results indicate that shade nets have an influence on the appearance of leaf colors in *S. podophyllum*. The 85% shade net density resulted in the highest number of pink-colored leaves and the fastest growth rate. Meanwhile, the 65% shade net showed the highest probability of the pink-green combination leaf color. Further research is needed to determine the internal factors that have the most significant impact on the leaf color changes in *S. podophyllum*