

Pengaruh Naungan Warna terhadap Warna Daun dan Pertumbuhan *Syngonium podophyllum* Schott = Effect of Coloured Shade Cloth on Leaf Color and Growth of *Syngonium podophyllum* Schott

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Abstrak

Syngonium podophyllum memiliki variasi warna daun, yaitu merah muda, merah muda-hijau, dan hijau. Daun berwarna merah muda adalah yang paling diminati masyarakat. Spektrum warna cahaya diduga berperan dalam kemunculan beragam warna daun *S. podophyllum*. Penelitian dilakukan untuk mengetahui pengaruh spektrum warna cahaya terhadap warna daun dan pertumbuhan *S. podophyllum*. Penelitian dilakukan dengan menggunakan naungan warna (coloured shade cloth) berbentuk kubus dari plastik mika PVC transparan berwarna biru, hijau, dan merah yang masing-masing berisi empat polybag *S. podophyllum*. Data kualitatif berupa bentuk dan warna daun, serta data kuantitatif yang diukur, yaitu intensitas cahaya, intensitas UV-B, suhu, dan kelembapan. Hasil penelitian menunjukkan naungan warna berpengaruh terhadap kemunculan warna daun *S. podophyllum*. Naungan merah paling berpengaruh terhadap kemunculan daun berwarna merah muda. Selain warna daun, naungan warna juga berpengaruh terhadap pertumbuhan *S. podophyllum*. Naungan warna yang paling berpengaruh terhadap pertumbuhan *S. podophyllum* adalah biru. Hasil penelitian juga memperlihatkan bahwa *S. podophyllum* tidak hanya mengalami perubahan warna daun, tetapi juga mengalami perubahan bentuk daun. Penelitian lebih lanjut masih dibutuhkan untuk mengetahui nilai panjang gelombang spesifik guna memvalidasi spektrum warna yang paling berpengaruh terhadap kemunculan warna dan pertumbuhan *S. podophyllum*.

.....*Syngonium podophyllum* has a variety of leaf colors, including pink, pink-green, and green. Pink-colored leaves are the most desirable to the public. The spectrum of light colors is believed to play a role in the appearance of diverse leaf colors in *S. podophyllum*. The research was conducted to determine the main factors causing the formation of leaf color variations in *S. podophyllum*. The study was conducted to determine the effect of the light color spectrum on the leaf color and growth of *S. podophyllum*. The study used colored shade cloth in the form of cubes of transparent blue, green, and red PVC mica plastic, each containing four polybags of *S. podophyllum*. The qualitative data observed were the shape and color of the leaves. The quantitative data measured were light intensity, UV-B intensity, temperature, and humidity. The study results showed that the color shade influenced the appearance of leaf colors in *S. podophyllum*. The red shade had the most significant effect on the emergence of pink-colored leaves. In addition to leaf color, the color shade also affected the growth of *S. podophyllum*. The blue shade had the most significant impact on the growth of *S. podophyllum*. The results also revealed that *S. podophyllum* not only undergoes changes in leaf color but also changes in leaf shape. Further research is still needed to determine specific wavelength values in order to validate the color spectrum that has the most significant effect on the appearance of colors and the growth of *S. podophyllum*.