PENERBIT BUKULOKA

FUNGI ENDOFIT CABAI HIYUNG:

Mekanisme Adaptasi dan Toleransi Stres Biotik-Abiotik Lahan Rawa

Dr. Witiyasti Imaningsih, S.Si., M.Si.

Fungi Endofit Cabai Hiyung: Mekanisme Adaptasi dan Toleransi Stres Biotik-Abiotik Lahan Rawa

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KATA PENGANTAR

Puji syukur ke hadirat Tuhan Yang Maha Esa, karena atas rahmat dan karunia-Nya buku referensi yang berjudul *Fungi Endofit Cabai Hiyung: Mekanisme Adaptasi dan Toleransi Stres Biotik-Abiotik Lahan Rawa* ini dapat disusun dan dihadirkan kepada pembaca. Buku ini membahas mengenai fungi endofit, yaitu mikroorganisme yang hidup di dalam jaringan tanaman tanpa menimbulkan gejala penyakit pada inangnya. Keberadaan fungi endofit memiliki peranan penting dalam mendukung pertumbuhan tanaman, meningkatkan ketahanan terhadap cekaman lingkungan, serta menghasilkan berbagai senyawa bioaktif yang berpotensi dimanfaatkan dalam bidang kesehatan, pertanian, farmasi, dan bioteknologi.

Penyusunan buku ini bertujuan untuk memberikan gambaran umum yang sistematis dan mudah dipahami mengenai konsep, karakteristik, keanekaragaman, hubungan simbiosis, serta potensi pemanfaatan fungi endofit. Penulis berharap buku ini dapat menjadi referensi yang bermanfaat bagi masyarakat umum yang tertarik pada kajian mikrobiologi, biologi, pertanian, dan pengembangan sumber daya hayati.

Jakarta, Juni 2026

Penulis

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PENERBIT BUKULOKA

Buku referensi yang berjudul Fungi Endofit Cabai Hiyung: Mekanisme Adaptasi dan Toleransi Stres Biotik-Abiotik Lahan Rawa membahas konsep dasar, karakteristik, serta peran fungi endofit yang hidup di dalam jaringan tanaman tanpa menimbulkan gejala penyakit pada inangnya. Di dalamnya dijelaskan mengenai keanekaragaman fungi endofit, hubungan simbiosis dengan tanaman, mekanisme adaptasi, serta potensi senyawa bioaktif yang dihasilkan untuk berbagai bidang, seperti kesehatan, pertanian, farmasi, dan bioteknologi.

Melalui pembahasan yang sistematis dan mudah dipahami, buku ini memberikan wawasan mengenai pentingnya fungi endofit sebagai sumber hayati yang bernilai ilmiah dan aplikatif. Buku ini sangat bermanfaat bagi masyarakat umum yang ingin memahami potensi fungi endofit dalam pengembangan ilmu pengetahuan, pemanfaatan sumber daya alam, dan inovasi berbasis biodiversitas.

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