MIKROBIOLOGI LANJUTAN

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PT YAPINDO JAYA ABADI
Anggota IKAPI: No. 627/DKI/2023

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ISBN	: 978-634-7789-27-3 (PDF)
Penyunting Naskah	: Endah Romadhon
Tata Letak	: Endah Romadhon
Desain Sampul	: Novikean Keysah Sanisri

Penerbit

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KATA PENGANTAR

Puji syukur ke hadirat Tuhan Yang Maha Esa, karena atas rahmat dan karunia-Nya buku referensi *Mikrobiologi Lanjutan* ini dapat disusun dan dihadirkan kepada pembaca. Buku ini membahas kajian mikrobiologi secara lebih mendalam, mulai dari struktur, fisiologi, metabolisme, genetika, pertumbuhan, hingga interaksi mikroorganisme dengan lingkungan dan makhluk hidup lainnya. Melalui pembahasan tersebut, pembaca diharapkan dapat memahami bahwa mikroorganisme memiliki peran yang sangat luas, baik dalam bidang kesehatan, pangan, pertanian, industri, lingkungan, maupun bioteknologi.

Penyusunan buku ini bertujuan untuk memberikan referensi yang sistematis dan mudah dipahami bagi masyarakat umum yang ingin memperdalam pengetahuan tentang dunia mikroorganisme. Semoga buku Mikrobiologi Lanjutan ini dapat memberikan manfaat, menambah wawasan, serta menjadi sumber inspirasi dalam pengembangan ilmu mikrobiologi dan penerapannya dalam kehidupan.

Jakarta, Juni 2026

Tim Penyusun

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Buku referensi yang berjudul Mikrobiologi Lanjutan membahas kajian mikroorganisme secara lebih mendalam, meliputi struktur, fisiologi, metabolisme, genetika, pertumbuhan, serta interaksi mikroba dengan lingkungan dan makhluk hidup lainnya. Pembahasan dalam buku ini juga mencakup peran mikroorganisme dalam berbagai bidang, seperti kesehatan, industri, pangan, pertanian, lingkungan, dan bioteknologi, sehingga pembaca dapat memahami mikroba tidak hanya sebagai penyebab penyakit, tetapi juga sebagai komponen penting dalam kehidupan dan perkembangan ilmu pengetahuan.

Disusun dengan bahasa yang sistematis dan mudah dipahami, buku ini memberikan wawasan lanjutan mengenai konsep-konsep penting dalam mikrobiologi, termasuk mekanisme adaptasi mikroba, keragaman mikroorganisme, aktivitas enzimatik, patogenitas, resistensi antimikroba, serta pemanfaatan mikroba dalam inovasi berbasis sains. Buku ini sangat bermanfaat bagi masyarakat umum yang ingin memperdalam pemahaman mengenai dunia mikroorganisme dan aplikasinya dalam kehidupan modern.

ISBN 978-634-7789-27-3 (PDF)