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SOLAR THERMAL ENERGY SYSTEMS

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Solar *Thermal Energy Systems*

Ir. Lukman Medriavin Silalahi, A.Md., ST., MT., IPM., ASEAN-Eng., APEC-Eng.

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Penulis : Ir. Lukman Medriavin Silalahi, A.Md., ST., MT., IPM., ASEAN-Eng., APEC-Eng., Prof. Dr. Ir. Machmud Effendy, ST., M.Eng., Haneef Nouval Alannibras Humaidi, S.T., M.Eng., Dr. Ir. Muhammad Yusan naim, MSc., Titus Tandi Seno, ST., MT., Disabella Dayera, S.Si., M. Si., Hestikah Eirene Patoding, S.T., M.T., Dr. Ir. Muh. Nawir Toasim, ST., MT., IPU., dan Yudha Aditya Nugraha, S.T., M.T.

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Jl. Wijaya Ii/Wijaya Grand Centre Blok G-15, Desa/Kelurahan Pulo, Kec. Kebayoran Baru,

Kota Adm. Jakarta Selatan, Provinsi DKI Jakarta, Kode Pos: 1216

E-Mail : penerbitcde@gmail.com

Website : cideka.com

KATA PENGANTAR

Puji syukur ke hadirat Tuhan Yang Maha Esa atas rahmat dan karunia-Nya, sehingga buku referensi berjudul *Solar Thermal Energy Systems* ini dapat diselesaikan dengan baik. Penyusunan buku ini diarahkan untuk menghadirkan pemahaman yang jelas dan mudah diikuti mengenai pemanfaatan energi panas matahari dalam berbagai aplikasi teknologi.

Buku ini disajikan dengan bahasa yang sederhana agar dapat dinikmati oleh masyarakat luas dari berbagai kalangan. Pembahasan di dalamnya menekankan cara kerja sistem, komponen utama, serta potensi pemanfaatannya dalam kehidupan sehari-hari, sehingga pembaca dapat memperoleh gambaran yang utuh mengenai teknologi ini tanpa hambatan istilah yang rumit.

Buku ini juga dipublikasikan agar dapat diperoleh secara umum sebagai bagian dari upaya memperluas wawasan tentang pemanfaatan energi terbarukan. Harapannya, kehadiran buku ini dapat memberikan manfaat praktis dan menjadi tambahan pengetahuan yang relevan bagi pembaca di berbagai bidang.

Jakarta, Juli 2026

Tim Penyusun

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Edukasi

Buku referensi ***Solar Thermal Energy Systems*** menyajikan pemahaman menyeluruh mengenai pemanfaatan energi panas matahari sebagai sumber energi alternatif yang ramah lingkungan. Isi buku membahas cara kerja sistem pemanas tenaga surya, berbagai komponen utama yang digunakan, serta penerapannya dalam kehidupan sehari-hari seperti pemanas air dan kebutuhan energi rumah tangga.

Dengan bahasa yang mudah dipahami, buku ini membuka wawasan tentang potensi besar energi surya dalam mengurangi ketergantungan pada energi fosil. Ditujukan untuk masyarakat umum, buku ini dapat menjadi pilihan tepat bagi siapa saja yang ingin mengenal dan mulai menerapkan teknologi energi bersih dalam kehidupan modern.

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