

HEA

HOTEL ENGINEERING ACADEMY

Professional Development for
Hospitality Engineering

Building Competency. Developing Professionals.



HEA.OR.ID



HOTEL ENGINEERING ACADEMY

HEA — **Hotel Engineering Academy** adalah platform pengembangan kompetensi dan profesional Hospitality Engineering melalui program pendidikan, *professional practice*, *competency certification*, dan *professional credential*.

HEA mengembangkan profesional melalui pendekatan yang menghubungkan **kompetensi, pengalaman kerja, praktik profesional, sertifikasi, dan pengembangan profesional.**



Professional Development for Hospitality Engineering

HEA menghadirkan dua jalur utama pengembangan profesional:



D1 HOTEL ENGINEERING

Professional Development Program



Program pengembangan profesional Hospitality Engineering dengan pendekatan **Competency-Based Learning.**



CERTIFIED ENGINEERING PROFESSIONAL (C.Eng.)

Professional Credential



Professional Credential bagi Engineering Professional di bidang Hospitality Engineering melalui **Professional Review berdasarkan SKHEI Professional Competency Framework.**



Dari Kompetensi Menuju Profesionalisme

HEA membangun perjalanan pengembangan profesional melalui empat unsur utama:



Ekosistem ini diwujudkan melalui
dua jalur utama HEA:



OUR PROGRAMS



D1 HOTEL ENGINEERING

Professional Development Program

Program pengembangan profesional Hospitality Engineering berbasis **Competency-Based Learning** yang mengintegrasikan pembelajaran, praktik profesional di tempat kerja, sertifikasi kompetensi, dan **Mini Project (Laporan Akhir)**.

	Reguler	12 Bulan
	RPL	6 Bulan
	Pembelajaran	Full Online
	Investasi	Rp7.500.000
	Pembayaran	3 × Rp2.500.000
	Wisuda	Termasuk dalam biaya program.



PEMBELAJARAN



PRAKTIK
PROFESIONAL



SERTIFIKASI
KOMPETENSI



MINI PROJECT
(LAPORAN AKHIR)



CERTIFIED ENGINEERING PROFESSIONAL

C.Eng.

Professional Credential untuk Engineering Professional di bidang Hospitality Engineering melalui Professional Review berdasarkan **SKHEI Professional Competency Framework**.

	10 Competency Domains
	100 Unit Kompetensi
	Validitas 5 Tahun
	Professional Review: Full Online

HEA
PROFESSIONAL
CREDENTIAL



Membangun Kompetensi Hospitality Engineering

D1 Hotel Engineering dirancang sebagai program pengembangan profesional untuk membangun kompetensi yang relevan dengan kebutuhan operasional **Engineering Hotel**.

Program mengintegrasikan:



Competency-Based Learning

Pembelajaran berbasis kompetensi yang terstruktur dan relevan dengan kebutuhan **Engineering Hotel**.



Workplace Professional Practice

Penerapan kompetensi secara profesional di lingkungan kerja nyata melalui program WPP.



Competency Certification

Uji kompetensi melalui LSP sesuai skema kompetensi yang relevan.



Mini Project (Laporan Akhir)

Penerapan kompetensi melalui project yang relevan dengan **Hospitality Engineering**.



Peserta program dapat berasal dari **lulusan SMA/SMK, DW, dan Staf Engineering.**



LULUSAN
SMA/SMK



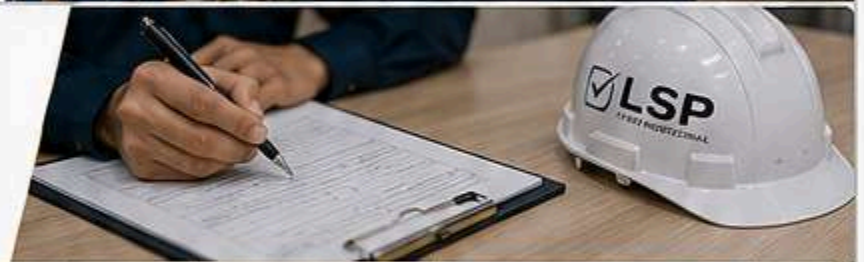
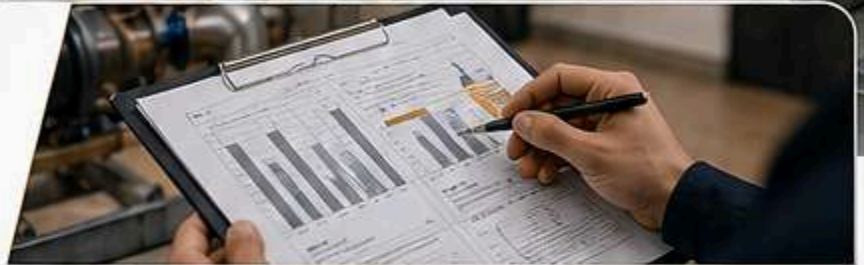
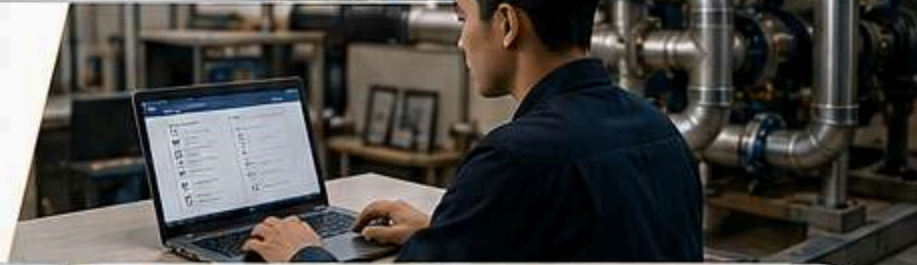
DW



STAF
ENGINEERING



Perjalanan Program



Hospitality Engineering Competency

Materi utama D1 Hotel Engineering meliputi:

-  Building Engineering
-  Utility Engineering
-  HVAC & Refrigeration
-  Electrical Engineering
-  Plumbing Engineering
-  Building Maintenance
-  Sistem Kerja Engineering Hotel
-  Preventive Maintenance
-  Work Order
-  Energy Management
-  Safety
-  Breakdown Management
-  Engineering Documentation



OUTPUT PROGRAM



KOMPETENSI HOSPITALITY ENGINEERING

Pengembangan kompetensi yang relevan dengan kebutuhan operasional Engineering Hotel.



WORKPLACE PROFESSIONAL PRACTICE

Penerapan kompetensi Hospitality Engineering secara profesional di lingkungan kerja.



SERTIFIKASI KOMPETENSI

Uji kompetensi melalui LSP sesuai skema kompetensi yang relevan.



MINI PROJECT (LAPORAN AKHIR)

Penerapan kompetensi melalui project yang relevan dengan Hospitality Engineering.



TRANSKRIP AKADEMIK

Transkrip Akademik Program 1 Tahun.



SURAT KELULUSAN AKADEMIK



WISUDA

Professional graduation sebagai bagian dari perjalanan pendidikan dan profesional.



Sistem Kerja Engineering Hotel

HEA menempatkan Engineering sebagai sistem kerja yang bertujuan memastikan fasilitas hotel:



Aman



Nyaman



Efisien



Berfungsi 24 Jam

serta meminimalkan *breakdown* dan biaya operasional.





ENGINEERING SUPERVISOR

- ✓ Mengatur teknisi
- ✓ Membagi pekerjaan dan shift
- ✓ Mengontrol checklist dan *preventive maintenance*
- ✓ Monitoring fasilitas dan *Work Order*





ENGINEERING TECHNICIAN



Electrical



Mechanical



Plumbing



HVAC/AC



Building & Civil



Kitchen Equipment



Swimming Pool



Fire & Safety





ENGINEERING ADMIN / STORE



Work Order



Checklist



Spare Part



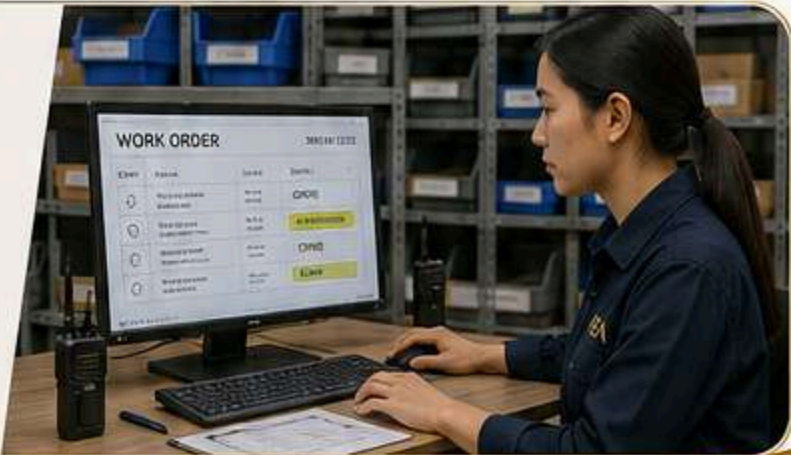
Inventory



Purchase Request



Dokumentasi



Work Order

Semua pekerjaan Engineering menggunakan *Work Order*.

**P1 —
EMERGENCY**

Power failure • Kebocoran besar •
Fire System • Water Supply •
Equipment Kritis

Response maksimal 5 menit

**P2 —
URGENT**

AC kamar • Toilet • Water Heater •
Lampu kamar • Fasilitas penting

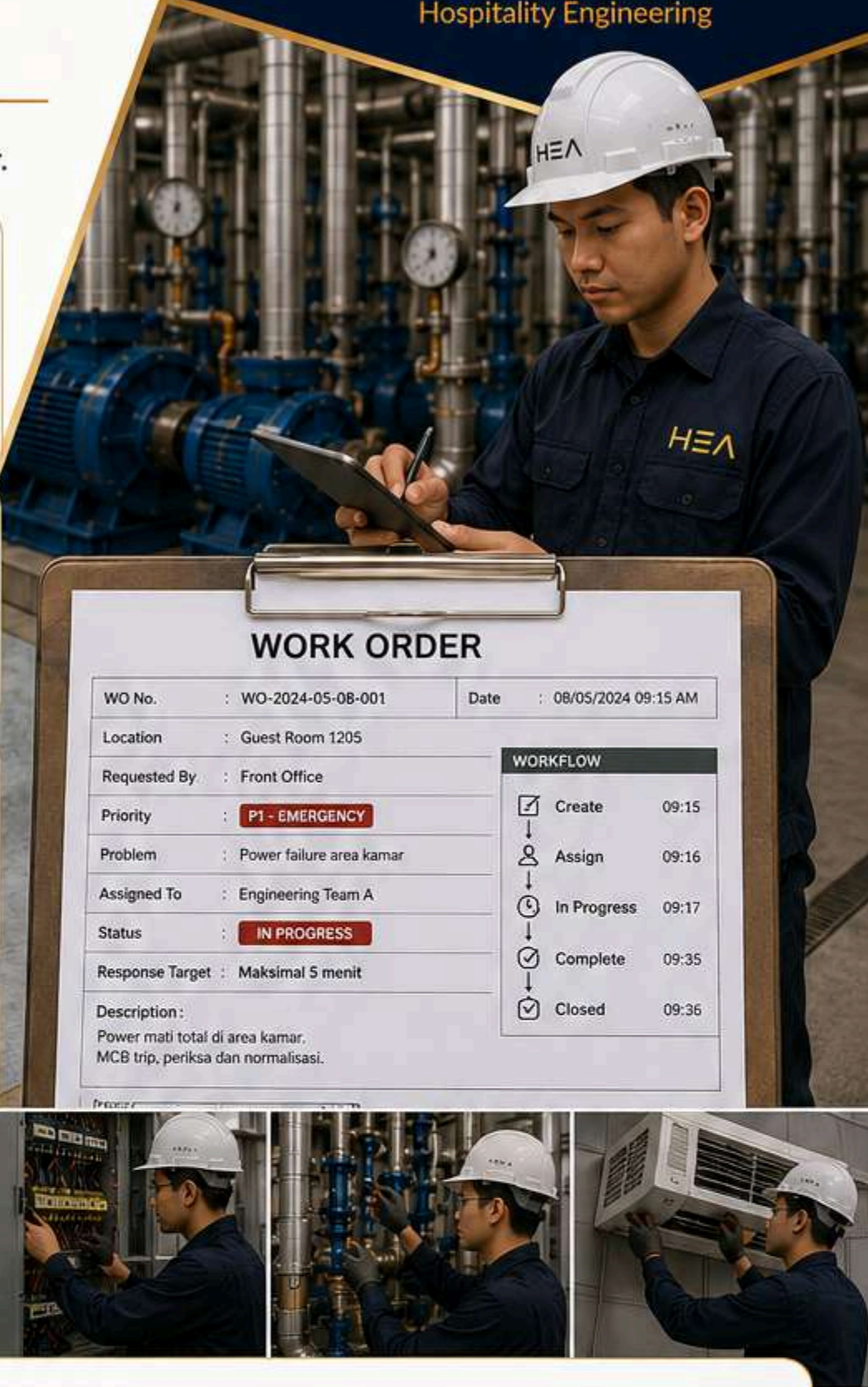
Response maksimal 15 menit

**P3 —
NORMAL**

Furniture • Painting •
Minor Plumbing/Electrical

**P4 —
PLANNED**

Preventive Maintenance •
Improvement • Renovasi.



WORK ORDER

WO No.	: WO-2024-05-08-001	Date	: 08/05/2024 09:15 AM
Location	: Guest Room 1205		
Requested By	: Front Office		
Priority	: P1 - EMERGENCY		
Problem	: Power failure area kamar		
Assigned To	: Engineering Team A		
Status	: IN PROGRESS		
Response Target	: Maksimal 5 menit		
Description	: Power mati total di area kamar. MCB trip, periksa dan normalisasi.		

WORKFLOW

☒	Create	09:15
↓	Assign	09:16
↓	In Progress	09:17
↓	Complete	09:35
↓	Closed	09:36

Preventive Maintenance

Daily → Weekly → Monthly → Quarterly → Semi Annual → Annual

Mencakup:

Electrical

HVAC

Plumbing

Genset

Pump

Fire System

Kitchen & Laundry Equipment

Building & Facility

Prevent Breakdown → Increase Reliability → Reduce Cost



Energy Management

HEA mencantumkan aktivitas Engineering dalam:

-  Monitoring kWh
-  Monitoring electrical load
-  Monitoring power factor
-  Monitoring genset
-  Monitoring water consumption
-  Monitoring HVAC



SERTA UPAYA PENGHEMATAN MELALUI:



LED



Optimasi
AC/HVAC



Optimasi
Pump



Pengaturan
Operating
Hours



Pengurangan
Standby Load

Breakdown Management



MONITORING MELIPUTI:



Breakdown



Downtime



Repeat
Complaint



MTBF
(Mean Time
Between Failure)



MTTR
(Mean Time
To Repair)



Maintenance
Cost



Engineering KPI

-  WO Response Time
-  WO Completion
-  Preventive Maintenance Compliance
-  MTBF (Mean Time Between Failure)
-  MTTR (Mean Time To Repair)
-  Equipment Downtime
-  Energy Consumption
-  Water Consumption
-  Maintenance Cost



C.Eng.

Bangun Identitas Profesional Anda

HEA Professional Credential Program merupakan program credentialing profesional yang dirancang untuk menilai kompetensi Engineering Professional di bidang Hospitality Engineering melalui Professional Review berdasarkan SKHEI Professional Competency Framework.

HEA Professional Credential (C.Eng.) diberikan kepada kandidat yang memenuhi persyaratan berdasarkan hasil Professional Review.

Professional Credential dapat menjadi bagian dari identitas profesional pada:



CV



LinkedIn



Email
Signature



Kartu Nama



Profil
Profesional

HEA

HOTEL ENGINEERING ACADEMY

Professional Credential System



VALID UNTIL
03 July 2031



Scan QR Code
or visit
hea.or.id

CREDENTIAL VERIFICATION

HEA

HOTEL ENGINEERING ACADEMY
PROFESSIONAL CREDENTIAL SYSTEM

By the authority of the HEA Professional Credential Board,
this Professional Credential is hereby conferred upon the individual identified below.

BUDI SUSANTO

Having successfully satisfied all requirements of the HEA Professional Credential System,
the individual identified above has been duly admitted to the HEA Professional Registry
and is hereby authorized to use the professional designation:

C.Eng.

CERTIFIED ENGINEERING PROFESSIONAL

PROFESSIONAL REGISTRY NUMBER	FIELD OF PROFESSIONAL PRACTICE	DATE OF CONFIRMATION	VALID UNTIL	CREDENTIAL STATUS
26.P85497.0004	Hospitality Engineering	04 July 2026	03 July 2031	ACTIVE

This Professional Credential has been awarded under the governance of the HEA Professional Credential Board
in accordance with the policies and requirements of the HEA Professional Credential System.

HEA PROFESSIONAL CREDENTIAL BOARD

Academic Board Member	Chair	Industry Board Member
IG Suputra Widharta, S.T., M.T., C.Eng.	Dr. Dewi Antoni, S.T., M.A.P., C.Eng.	IGB Mahendra, S.T., C.Eng.

CREDENTIAL VERIFICATION
Scan QR Code or visit
ganeshaindonesia.ac.id

This Professional Credential remains valid only while the Credential Holder maintains ACTIVE status in the HEA Professional Registry and fulfills the Continuing Professional Development (CPD) and renewal requirements established by Hotel Engineering Academy (HEA).

HEA

HOTEL ENGINEERING ACADEMY

BUDI SUSANTO

C.Eng.

CERTIFIED ENGINEERING PROFESSIONAL

PROFESSIONAL REGISTRY NUMBER 26.P85497.0004	CREDENTIAL STATUS ACTIVE
--	-----------------------------

Gunakan C.Eng. untuk memperkuat identitas profesional Anda di berbagai platform.



CV

BUDI SUSANTO
Engineering Manager

PROFESSIONAL QUALIFICATION

- Certified Engineering Professional (C.Eng.)
- Professional Registry Number: 26.P85497.0004

EXPERIENCE

- Engineering Manager
ABC Hotel - Bali
2020 - Present



LinkedIn

Budi Susanto
Engineering Manager
Hospitality Engineering

C.Eng.
Certified Engineering Professional
26.P85497.0004
Hotel Engineering Academy (HEA)

Connect



Email Signature

Best regards,

Budi Susanto
Engineering Manager
ABC Hotel

C.Eng.
Certified Engineering Professional
26.P85497.0004

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Kartu Nama

HEA
C.Eng.
CERTIFIED ENGINEERING
PROFESSIONAL
26.P85497.0004

BUDI SUSANTO
Engineering Manager
ABC Hotel

+62 812 3456 7890
budi.susanto@abchotel.com
Denpasar, Bali



Profil Profesional

Professional Profile

C.Eng.
Certified Engineering Professional
26.P85497.0004

Expertise

- Hotel Engineering Management
- Facility & Maintenance Management
- Energy Management
- Preventive Maintenance
- Engineering Operations



10 Professional Competency Domains

01



Engineering Fundamentals &
Professional Practice

02



Engineering Systems &
Technology

03



Operation, Maintenance &
Asset Management

04



Financial & Resource
Management

05



Project & Asset
Engineering

06



Sustainability &
Energy Engineering

07



Digital Engineering &
Smart Facility Management

08



Risk, Safety &
Compliance Management

09



Innovation &
Continuous Improvement

10



Professional Development &
Knowledge Management

HEA

HOTEL ENGINEERING ACADEMY
Professional Credential System



10 DOMAINS

100 UNIT KOMPETENSI

Setiap domain terdiri dari
10 Unit Kompetensi
yang digunakan sebagai
bagian dari SKHEI
Professional Review.



01



PROFESSIONAL CREDENTIAL APPLICATION

Pengajuan Professional Credential Application serta pemahaman awal terhadap:



CREDENTIAL SYSTEM



CANDIDATE HANDBOOK



FAQ



EVIDENCE REQUIREMENTS



02



SKHEI PROFESSIONAL REVIEW

Professional Evidence direview berdasarkan 10 SKHEI Competency Domains untuk menilai pemenuhan *Professional Competency*.

Professional Review dilakukan melalui:



REVIEW DOKUMEN/
EVIDENCE



INTERVIEW/
PROFESSIONAL
DISCUSSION



03



PROFESSIONAL CREDENTIAL GRADUATION

Recognition atas pencapaian Professional Credential melalui proses Professional *Credential Graduation* sesuai ketentuan HEA.



Siapa yang dapat mengikuti?

Program ditujukan bagi Engineering Professional di bidang *Hospitality Engineering*, antara lain:



Director of Engineering



Chief Engineer



Assistant Chief Engineer



Engineering Manager



Engineering Supervisor



Engineering Professional yang memenuhi persyaratan HEA.



Yang Anda Peroleh



HEA PROFESSIONAL CREDENTIAL (C.Eng.)
Professional Credential HEA.



PROFESSIONAL CERTIFICATE
Sertifikat Professional Credential.



PROFESSIONAL CARD
Kartu profesional credential holder.



PROFESSIONAL PIN
Identitas professional.



DIGITAL CREDENTIAL
Credential dalam format digital.



ONLINE CREDENTIAL VERIFICATION
Verifikasi credential secara online.



HEA PROFESSIONAL REGISTRY
Pencatatan credential holder dalam HEA Professional Registry.



PROFESSIONAL CREDENTIAL GRADUATION
Recognition atas pencapaian Professional Credential.



HEA

HOTEL ENGINEERING ACADEMY

Professional Credential System



Credential Verification

Setiap credential dilengkapi dengan:



Credential Number



Registry Number



QR Code Verification



Online Credential Verification



Active Credential Status



Credential Validity

Credential holder tercatat dalam
HEA Professional Registry.

Validitas

5 TAHUN

Credential dapat dipertahankan melalui
Continuing Professional Development (CPD).



14 — HEA IN NUMBERS

HEA

HOTEL ENGINEERING ACADEMY
Professional Credential System



5

Angkatan Wisuda
2024–2026



129

Lulusan
Hospitality Engineering



124

Alumni
Bekerja di Industri
Perhotelan



24

Alumni
Melanjutkan
Pendidikan S1



HOSPITALITY
EXCELLENCE



ENGINEERING
EXCELLENCE



PROFESSIONAL
STANDARDS



SAFETY &
RELIABILITY



Graduate Registry

HEA memiliki 5 Angkatan Wisuda yang
tercatat dalam **Graduate Registry**:



Wisuda I — 2024

23 Lulusan



Wisuda II — 2024

25 Lulusan



Wisuda III — 2025

34 Lulusan



Wisuda IV — 2025

20 Lulusan



Wisuda V — 2026

27 Lulusan



Total: **129** Lulusan

HEA

HOTEL ENGINEERING ACADEMY



BALI TV

Liputan Wisuda V



DOWNLOAD

Buku Wisuda Angkatan V

Legalitas & Informasi Kelembagaan

HEA menampilkan:



SK Kemenkumham
AHU-0004894.AH.
01.04.TAHUN 2023



NIB
20232030108839



Izin Operasional
Disnaker
503/70/DPMPSTP



Lisensi
Kemnaker RI
22032300188390002



Vocational
Identity Number
(VIN)
2401510701



IKAPI
Aktif — 043/BAI/2024



Perpustakaan
Nasional RI
Aktif



BRIN
Aktif



Open Journal
Systems (OJS)
Aktif



NPWP
40.332.713.3-907.000



Publikasi



Jurnal Rekayasa Teknik
ISSN 3046-7683



Jurnal Sosial Humaniora
ISSN 3046-7691



Jurnal Pengabdian Masyarakat
ISSN 3047-0196



Kemitraan



DISNAKER



PHRI



HIMPUNAN LEMBAGA
LATIHAN SELURUH INDONESIA



HOTEL MITRA



PERGURUAN TINGGI
MITRA





HOTEL ENGINEERING ACADEMY

Professional Development for Hospitality Engineering

Building Competency. Developing Professionals.



Hospitality Engineering



Workplace Professional Practice



Competency Certification



Professional Credential



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