

# Bidang Proses Kimpalan Arka Kepingan Logam (Shielded Metal Arc Welding)

## PENGENALAN


Kimpalan arka adalah sejenis kimpalan yang menggunakan bekalan kuasa kimpalan untuk membuat arka elektrik di antara elektrod dan bahan asas untuk mencairkan logam pada titik kimpalan. Mereka boleh menggunakan arus langsung atau berselang-seli dan elektrod pakai habis atau tidak habis. Kimpalan Arc Metal Shielded (SMAW), adalah salah satu daripada proses dalam kimpalan arka.





# Maklumat

Kod Program:  
**MC-024-3:2012**

Nama Program:  
**Proses Kimpalan Arka  
Kepingan Logam**  
(Shielded Metal Arc  
Welding)

 Tempoh Latihan:  
**18 Bulan**

## Tahap 3



 Syarat Kemasukan:  
**Lepasan PT3**  
 Yuran Kursus: **RM17000**

Kod Program:  
**MC-024-4:2012**

Nama Program:  
**Pengurusan Teknologi  
Kimpalan**  
(Welding Technology  
Management)

 Tempoh Latihan:  
**15 Bulan (3 Bulan  
OJT)**

## Tahap 4

 Syarat Kemasukan:  
**Lepasan SKM Tahap 3**  
 Yuran Kursus: **RM9000**

# Potensi Kerjaya

Di antara kerjaya yang bakal diceburi oleh pemegang Sijil SKM/ DKM dalam bidang Automotif ini adalah:

- **Jurukimpal**
- **Inspektor Kimpalan**



# Kandungan Latihan

## MC-024-3:2012 Proses Kimpalan Arka Kepingan Logam Tahap 3

### Core Ability Tahap 1

Module 1: **Basic Working Communication**

Module 2: **Personal Behaviour Skill**

Module 3: **Work Place Ethics Awareness**

Module 4: **Safety Health and Environment Awareness**

### Core Ability Tahap 2

Module 1: **Communication Application**

Module 2: **Interpersonal Behaviour**

Module 3: **Work Place Culture Behaviour**

Module 4: **Health, Safety and Environmental Adaptation**

### Core Ability Tahap 3

Module 1: **Effective Communication**

Module 2: **Information Technology Awareness**

Module 3: **Leadership Skill**

Module 4: **Work Place Ethics**

Module 5: **Administrative Skill**

Module 6: **Health, Safety & Environmental Implementation Consciousness**

# Kandungan Latihan

## MC-024-3:2012 Proses Kimpalan Arka Kepingan Logam Tahap 3

### Core Subject

CU1: Shielded Metal  
Arc Welding (SMAW)  
For Fillet Weld 1F, 2F,  
3F, 4F, Butt Weld 1G  
And 2G

CU2: Shielded Metal  
Arc Welding (SMAW)  
for 3G And 4G

CU3: Shielded Metal  
Arc Welding (SMAW)  
for 5G And 6G (Up-Hill  
And Down-Hill)

### General Studies

Semester 1

- English I
- Mathematics

Semester 2

- English II
- Introduction to  
Quality

# Kandungan Latihan

## MC-024-4:2012 Pengurusan Teknologi Kimpalan Tahap 4

### Core Ability Tahap 4

Module 1: **Organisational Behaviour**

Module 2: **Health, Safety & Environment Monitoring**

Module 3: **Relationship Management Capability**

Module 4: **Etiquette Practices**

Module 5: **Strategic Thinking Skill**

Module 6: **Effective Communication Collaboration**

Module 7: **Change Management Awareness**

Module 8: **Information Technology Application**

### Core Subject

CU1: **Welding Document Preparation**

CU2: **Welding Material And Consumable Procurement Arrangement**

CU3: **Welding Activity Planning**

CU4: **Welding Activities Supervision**

CU5: **Welding Inspection Activities Coordination**

### Core Subject

CU6: **Welding Records And Report Documentation**

CU7: **Welding Safety Activities Implementation**

**Final Year Project**

### General Studies

Semester 1

**Pendidikan Islam/ Moral**

**Basic Science Engineering**

# Daftar Sekarang

Imbas disini untuk mendaftar



Hubungi Kami :



<https://ppks.edu.my>



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