



# **SYARAT-SYARAT PERMOHONAN BAGI MENDAPATKAN PENTAULIAHAN SEBAGAI PERSONEL BERTAULIAH MENGIKUT TAHAP KOMPETENSI**

## **PROGRAM PENTAULIAHAN PENYELIAAN DAN PENGURUSAN**

*\* Sila baca syarat-syarat ini sebelum mula mengisi borang permohonan*

- 1. PROGRAM PENTAULIAHAN PENYELIA TAPAK BINAAN (CSS)**
- 2. PROGRAM PENTAULIAHAN EKSEKUTIF PENGURUSAN FASILITI (FME)**
- 3. PROGRAM PENTAULIAHAN PEGAWAI PENGURUSAN TRAFIK PEMBINAAN (CTMO)**
- 4. PROGRAM PENTAULIAHAN PENGURUS PEMBINAAN (CCM)**
- 5. PROGRAM PENTAULIAHAN PENGURUS PENGURUSAN FASILITI (FMM)**
- 6. PROGRAM PENTAULIAHAN PENGURUS PEMBINAAN PEMBENTUNGAN (SCM)**
- 7. PROGRAM PENTAULIAHAN PENGURUS PROJEK PEMBINAAN (CCPM)**

DISEDIAKAN OLEH:  
BAHAGIAN KOMPETENSI PENYELIAAN DAN PENGURUSAN  
SEKTOR PERSONEL BINAAN

**MAKLUMAT PENTAULIAHAN SEBAGAI PERSONEL BERTAULIAH DAN KOMPETEN UNTUK  
TAHAP 3, 4, 5 DAN 6 PROGRAM PENTAULIAHAN PENYELIAAN DAN PENGURUSAN**

1. Pentauliahian ini dibuka kepada **semua personel binaan/individu** yang terlibat secara langsung atau tidak langsung dalam kerja-kerja penyeliaan di tapak bina serta memenuhi syarat-syarat kelayakan permohonan dan pentauliahian.
2. Program pentauliahian ini dilaksanakan melalui tiga (3) kaedah penilaian iaitu:
  - a. Kaedah I iaitu **Latihan dan Penilaian, atau**
  - b. Kaedah iaitu Penilaian sahaja, atau
  - c. Kaedah III iaitu Pengiktirafan melalui Tahap Pendidikan dan Pengalaman (Recognition Prior Learning and Experience, RPLE) atau Temuduga.
3. Kaedah dan proses penilaian adalah seperti berikut:

KAEDAH	PROSES PENILAIAN
<b>Kaedah I</b> Latihan dan Penilaian	<p><b><u>Menjalani kursus dan menduduki penilaian bertulis bagi setiap modul pembelajaran.</u></b></p> <p><b>KOMPETEN</b> – Dianugerah Sijil Kompetensi Kemahiran Pembinaan (SKKP) mengikut tahap</p> <p><b>BELUM KOMPETEN</b> – Ulangi latihan bagi modul latihan yang gagal dan dinilai semula.</p>

4. Peserta yang lulus melalui mana-mana kaedah akan diperakukan melalui **Sijil Kompetensi Kemahiran Pembinaan (SKKP) MENGIKUT TAHAP** di mana bersesuaian dengan tugas dan tanggungjawab. Bagi tujuan pendaftaran dengan Lembaga ini, personel bertauliah bagi Program Pentauliahian Penyeliaan dan Pengurusan hendaklah mengemaskini pendaftaran (di dalam Kad Pendaftaran Personel Binaan).
5. Rujuk **Jadual 1 hingga Jadual 7** bagi syarat kelayakan minima pentauliahian mengikut tahap dan program. Disediakan juga adalah keberhasilan program (*Program Outcome, PO*) sebagai rujukan.

6. Keberhasilan program (PO) ini dibangunkan berdasarkan modul pembelajaran, hasil merujuk kepada *Duty and Tasks* di dalam NOSS. Disamping itu, pernyataan PO ini juga mengambil kira visi, misi dan objektif CIDB dalam memperkaya profesionalisme di dalam industri pembinaan. PO ini juga akan digunakan sebagai asas ukuran penilaian peserta.

7. **Akta 520 (Pindaan 2011), Bahagian X, AM, Seksyen 37 (1) dan (2)(a) Kuasa untuk membuat peraturan-peraturan –**

37(1) Lembaga boleh, dengan kelulusan Menteri, membuat apa-apa peraturan yang suai manfaat atau perlu bagi melaksanakan peruntukan Akta ini dengan lebih baik.

(2) Tanpa menjejaskan keluasan subseksyen (1), peraturan-peraturan boleh dibuat bagi— (a) menetapkan syarat, cara, bentuk, jenis, gred dan tatacara bagi pendaftaran, akreditasi atau pemerakuan kontraktor dan personel binaan dan penggantungan, pembatalan, pengembalian semula atau penolakan pendaftaran, akreditasi atau pemerakuan kontraktor dan personel binaan;

**SYARAT KELAYAKAN PERMOHONAN DAN PENTAULIAHAN SERTA KEBERHASILAN PROGRAM (PO)  
PENYELIAAN DAN PENGURUSAN**

JADUAL	TAJUK JADUAL
Jadual 1	Syarat kelayakan permohonan dan pentauliahan bagi Program Pentauliahan Penyelia Tapak Binaan (CSS) – Tahap 3/4
Jadual 1a	Keberthasilan program bagi Program Pentauliahan Penyelia Tapak Binaan (CSS)
Jadual 2	Syarat kelayakan permohonan dan pentauliahan bagi Program Pentauliahan Eksekutif Pengurusan Fasiliti (FME) – Tahap 4
Jadual 2a	Keberthasilan program bagi Program Pentauliahan Eksekutif Pengurusan Fasiliti (FME)
Jadual 3	Syarat kelayakan permohonan dan pentauliahan bagi Program Pentauliahan Pegawai Pengurusan Trafik Pembinaan (CTMO) – Tahap 4
Jadual 3a	Keberthasilan program bagi Program Pentauliahan Pegawai Pengurusan Trafik Pembinaan (CTMO)
Jadual 4	Syarat kelayakan permohonan dan pentauliahan bagi Program Pentauliahan Pengurus Pembinaan (CCM) – Tahap 5
Jadual 4a	Keberthasilan program bagi Program Pentauliahan Pengurus Pembinaan (CCM)
Jadual 5	Syarat kelayakan permohonan dan pentauliahan bagi Program Pentauliahan Pengurus Pengurusan Fasiliti (FMM) – Tahap 5
Jadual 5a	Keberthasilan program bagi Program Pentauliahan Pengurus Pengurusan Fasiliti (FMM)
Jadual 6	Syarat kelayakan permohonan dan pentauliahan bagi Program Pentauliahan Pengurus Pembinaan Pembentungan (SCM) – Tahap 5
Jadual 7	Syarat kelayakan permohonan dan pentauliahan bagi Program Pentauliahan Pengurus Projek Pembinaan (CCPM) – Tahap 6
Jadual 7a	Keberthasilan program bagi Program Pentauliahan Pengurus Projek Pembinaan (CCPM)

**Jadual 1:** Syarat kelayakan permohonan dan pentauliahan bagi Program Pentauliahan Penyelia Tapak Binaan (CSS) – Tahap 3/4

Kategori	Kelayakan Minima Akademik	Tahun pengalaman di dalam bidang pembinaan yang berkaitan	
		Kaedah I	
1	Sarjana Muda dalam bidang berkaitan/ bukan berkaitan pembinaan	2	
2	Diploma dalam bidang berkaitan / bukan berkaitan pembinaan	2	
3	Sijil Politeknik, Sijil Kemahiran Malaysia, Sijil Kecekapan Kemahiran, Sijil Teknikal lain	3	
4	Pendidikan Sekolah Menengah	5	
5	Pendidikan Sekolah Rendah	7	

**Jadual 1a:** Keberhasilan program bagi Program Pentauliahan Penyelia Tapak Binaan (CSS)

PO	SPECIFIC CRITERIA	PROGRAM OUTCOME STATEMENT
PO1	<b>Knowledge and Competent</b>	Site Supervisor who is <b>knowledgeable</b> , <b>competent</b> to facilitate and fulfill his supervisory works efficiently in meeting the cost, time and quality expected from the project. <i>[Penyelia Tapak Bina yang berpengetahuan, kompeten untuk memudahcara kerja penyeliaan secara cekap bagi memenuhi kos, masa dan kualiti yang dijangkakan daripada projek]</i>
PO2	<b>Safety, Quality</b>	Site Supervisor who uphold the importance of <b>safety</b> culture in the workplace and ensuring <b>quality</b> deliverables from his services. <i>[Penyelia Tapak Bina yang mementingkan budaya keselamatan di tempat kerja dan memastikan kerja yang ditugaskan diselesaikan dengan berkualiti]</i>
PO3	<b>Effective multidisciplinary team</b>	Site Supervisor who is able to work independently yet <b>effectively</b> in <b>multi-disciplinary team</b> for construction industry excellence. <i>[Penyelia Tapak Bina yang mampu bekerja secara berdikari namun efektif dalam pasukan multi disiplin untuk kecemerlangan industri pembinaan]</i>
PO4	<b>Reliable and Effective communication</b>	Site Supervisor who is <b>reliable</b> , helpful and able to <b>communicate effectively</b> and contribute his skills for efficient project management. <i>[Penyelia Tapak Bina yang boleh dipercayai, membantu dan berkomunikasi dengan efektif dan menyumbangkan kemahirannya untuk pengurusan projek yang cekap]</i>
PO5	<b>Ethic and Environemnt</b>	Site Supervisor who applies the <b>ethical</b> responsibility towards society, <b>environment</b> and embrace the importance of sustainable development in his profession. <i>[Penyelia Tapak Bina yang mengamalkan tanggungjawab etika terhadap masyarakat, alam sekitar dan memegang kepentingan pembangunan mampan dalam kerjayanya]</i>

**Jadual 2:** Syarat kelayakan permohonan dan pentauliahan bagi Program Pentauliahan Eksekutif Pengurusan Fasiliti (FME) – Tahap 4

KATEGORI	KELAYAKAN MINIMA AKADEMIK	TAHUN PENGALAMAN DI DALAM BIDANG PEMBINAAN YANG BERKAITAN		
		Kaedah I		
1	Sarjana Muda dalam bidang Pengurusan Fasiliti	2		
2	Sarjana Muda dalam bidang Pembinaan	5		
3	Sarjana Muda dalam bidang bukan Pembinaan	8		
4	Diploma dalam bidang Pengurusan Fasiliti	5		
5	Diploma dalam bidang bidang Pembinaan	8		
6	Diploma dalam bidang bukan Pembinaan	10		

**Jadual 2a:** Keberhasilan program bagi Program Pentauliahan Eksekutif Pengurusan Fasiliti (FME)

PO	SPECIFIC CRITERIA	PROGRAM OUTCOME STATEMENT
PO1	<b>Knowledgeable and Competent</b>	Facilities Management Executive who is <b>knowledgeable, competent</b> to facilitate, coordinate and fulfil the FM works efficiently in meeting the budget, duration and satisfactory deliverables expected in the operation and maintenance along building life cycle operation.
PO2	<b>Communication, Leadership and Human Resource</b>	Facilities Management Executive who is reliable, helpful and able to <b>communicate</b> effectively in multi-peer organizations and contribute his skills for efficient facilities management using established <b>leadership</b> and strategy implementation executed by his <b>human resource</b> administration.
PO3	<b>Contract and Finance</b>	Facilities Management Executive who demonstrate the sufficient understanding of project procurement, able to admin the <b>contract</b> and <b>finance</b> principles start from initial conceptual stage through client's needs/brief to assist an effective facilities management implementation.
PO4	<b>Safety, Quality and Legislation</b>	Facilities Management Executive who uphold the importance of <b>safety</b> culture in the workplace and ensuring a <b>quality and legitimate</b> deliverables from his services including performing related assessment and control measures.
PO5	<b>Teamwork, Ethical, Sustainability Environment and Project Management</b>	Facilities Management Executive who is able to work independently yet effectively in multi-disciplinary <b>team</b> , delivering <b>ethical</b> responsibility towards the society, <b>environment</b> and embrace the important of <b>sustainable</b> operation in his profession that to be in-line with his efficient <b>project management</b> skills.

**Jadual 3:** Syarat kelayakan permohonan dan pentauliahan bagi Program Pentauliahan Pegawai Pengurusan Trafik Pembinaan (CTMO) – Tahap 4

KATEGORI	SYARAT KELAYAKAN MINIMA	TAHUN PENGALAMAN DI DALAM BIDANG PEMBINAAN YANG BERKAITAN	
		Kaedah I	
1	Profesional berdaftar (cth : Ir., Ar., Sr.)	-	
2	Sarjana dalam kejuruteraan awam/pengurusan pembinaan	3	
3	Sarjana Muda dalam bidang berkaitan pembinaan	3	
4	Sarjana Muda dalam bidang bukan berkaitan pembinaan	5	
5	Diploma dalam bidang berkaitan pembinaan	5	
6	Diploma dalam bidang bukan berkaitan pembinaan	8	
7	Sijil di dalam bidang berkaitan pembinaan	10	
8	Sijil Kemahiran Malaysia	10	

**Jadual 3a:** Keberhasilan program bagi Program Pentauliahan Pegawai Pengurusan Trafik Pembinaan (CTMO)

PO	SPECIFIC CRITERIA	PROGRAM OUTCOME STATEMENT
PO1	<b>Knowledge and Competent</b>	Construction Traffic Management Officer who has extensive <b>Knowledge</b> and <b>Competent</b> assisting his Project Manager in analysing, evaluating, planning, scheduling, organizing, preparing TMCP drawing, implementing, monitoring, control and reporting of assigned traffic management work according to Acts, Laws, Best Industry Practices, Guidelines, Rules and Regulations and Code of Conducts.
PO2	<b>Professional Ethics, Environment, Safety and Health</b>	Construction Traffic Management Officer who upholds and demonstrates the importance of <b>Professional Ethics, Environment, Safety and Health</b> work culture at the work zones area and prioritize the sustainable approach in his management and delivering his services using established Traffic Management methodologies such as Construction Traffic Risk Management (CTRM), RSA, TIA, ERP, TMCP, MOS etc.
PO3	<b>Contract, Records and Report</b>	Construction Traffic Management Officer who able to <b>contractually</b> prepare and propose CTMCP, understand CTMP and project management documentations with ability to perform quantity take off, BQ costing estimation and preparation, contract document, CTMSR and all other <b>records and reports</b> , required from his services efficiently in his work zones area.
PO4	<b>Communication, Leadership, Teamwork and Entrepreneurship</b>	Construction Traffic Management Officer who excel in effective <b>communication</b> with his employer and <b>lead</b> the team able to translate the needs into exemplary Traffic Management services in coordinate, organize, liaise, present, obtain approvals with the internal and external stakeholders and <b>multi-disciplinary Project Team</b> for compliance with all needs, technical and commercial requirements including satisfactory <b>Entrepreneurship</b> mindset for the sustainability of his profession.
PO5	<b>Quality, Planning, Monitoring and Control</b>	Construction Traffic Management Officer who ensuring a <b>Quality</b> deliverable from his team services through the efficient <b>Planning, Monitoring, Control</b> and <b>Closing</b> activities with establishment of Traffic Management procedures using modern and effective traffic management tools for satisfactory and quality Construction Traffic Management.

**Jadual 4:** Syarat kelayakan permohonan dan pentauliahan bagi Program Pentauliahan Pengurus Pembinaan (CCM) – Tahap 5

KATEGORI	KELAYAKAN MINIMA AKADEMIK	TAHUN PENGALAMAN DI DALAM BIDANG PEMBINAAN YANG BERKAITAN	
		KAEDAH I	
1	Professional berdaftar (cth: Ir., Ar., Sr.)	-	
2	Sarjana dalam Pengurusan Projek, Pengurusan Pembinaan dan bidang berkaitan pembinaan	3	
3	Sarjana Muda dalam Pengurusan Pembinaan dan bidang berkaitan pembinaan	3	
4	Sarjana Muda dalam bidang bukan berkaitan pembinaan	5	
5	Diploma dalam Pengurusan Pembinaan dan bidang berkaitan pembinaan	5	
6	Diploma dalam bidang bukan berkaitan pembinaan	8	
7	Sijil dalam bidang berkaitan pembinaan	10	
8	Sijil Kemahiran Malaysia Tahap 5 dalam bidang pembinaan	10	
9	Lepasan sekolah (SPM, SRP dan lain-lain)	10	

**Jadual 4a:** Keberhasilan program bagi Program Pentauliahan Pengurus Pembinaan (CCM)

PO	SPECIFIC CRITERIA	PROGRAM OUTCOME STATEMENT
PO1	Knowledge and Competency	Construction Manager who has extensive <b>knowledge</b> and <b>competent</b> in Malaysian Construction Management activities in implementing and accomplish to plan, coordinate, organise, monitor, control, mitigate and <b>handover</b> the construction project in meeting the cost, duration and quality expected from the project in a complete project life cycle activities
PO2	Tender, Contract and Sub-Contract Management	Construction Manager who carries <b>entrepreneurship</b> mind-set and well versed in <b>tender, contract</b> and <b>sub-contract management</b> activities and procedures in delivering high yield investment to his employer through systematic SWOT analysis and solve discrepancies or using appropriate dispute resolution strategies in accordance with the contract from date of possession until project close-out activities.
PO3	Site Mobilisation, Construction Planning and Site Office Management	Construction Manager who is independently able to manage site possession and related <b>mobilisation</b> activities including plan, organize, monitor and solve problems of site office and inside boundary complied to Acts, Regulations which integrate all respective local authorities' requirements, service providers, Malaysian Regulatory Bodies, Community & Other Statutory in the construction project.
PO4	Finance and Cash Flow Management	Construction Manager who demonstrates the comprehensive understanding of project management <b>cash flow</b> process and activities including initial, progress, interim and variation claims for effective <b>financial control</b> and at the same time, able to predict and forecast the cash flow pattern and execute the project's financing control along the project development until final account.
PO5	Quality Management	Construction Manager who ensures <b>quality</b> deliverables from his team services through <b>efficient</b> project planning, monitoring and control with correct establishment of construction management procedures using specific conventional techniques and modern construction management tools for satisfactory documentations records for construction Quality Assurance/Quality Control (QA/QC) implementation.



<b>PO6</b>	Ethics, Safety, Health and Environmental Management	Construction Manager who upholds and demonstrates the importance of <b>ethical, safety, health and environmental</b> management work culture at the workplace and prioritizes the <b>sustainable</b> development approach in his construction project using appropriate Policies, Process and Plan in compliance with all statutory requirements.
<b>PO7</b>	Project Personnel, Team and Stakeholder Management	Construction Manager who excels in effective <b>communication</b> with his employer and team which is able to translate the work into satisfactory administration and control project delivery while leading a participation with stakeholders and across <b>multi-disciplinary team</b> members for efficient construction management by cultivating a positive working culture in his Construction Site.
<b>PO8</b>	Materials, Labour and Machineries Management	Construction Project Manager who <b>evaluates</b> a range of principles and complex construction management techniques across a wide spectrum of contractual obligations for the work of himself and others which include planning, execution and control the important parameters in construction management which is <b>material, manpower and machinery</b> management.

**Jadual 5:** Syarat kelayakan permohonan dan pentauliahkan bagi Program Pentauliahkan Pengurus Pengurusan Fasiliti (FMM) – Tahap 5

KATEGORI	TAHAP KELAYAKAN AKADEMIK	TAHUN PENGALAMAN DI DALAM BIDANG PEMBINAAN YANG BERKAITAN (TAHUN)	
		KAEDAH I	
1	Professional berdaftar (Ir., Ar., Sr.,)	2	
2	Sarjana dalam bidang Pengurusan Fasiliti	3	
3	Sarjana dalam bidang berkaitan Pembinaan	3	
4	Sarjana Muda dalam bidang Pengurusan Fasiliti	5	
5	Sarjana Muda dalam bidang berkaitan Pembinaan	5	
6	Sarjana Muda dalam bidang bukan berkaitan Pembinaan	8	
7	Sijil Antarabangsa dalam bidang Pengurusan Fasiliti (contoh: BIFM(UK), IFMA)	3	

**Jadual 5a:** Keberhasilan program bagi Program Pentauliahkan Pengurus Pengurusan Fasiliti (FMM)

PO	SPECIFIC CRITERIA	PROGRAM OUTCOME STATEMENT
PO1	<b>Knowledge and Competent</b>	Facilities Management Manager who has extensive <b>Knowledge</b> and <b>Competent</b> in Facilities Management accomplishing to plan, coordinate, organise, monitor, control, mitigate and manage a facility in meeting the budget, duration and quality deliverables expected along building life cycle.
PO2	<b>Professional Ethics, Environment, Safety and Health</b>	Facilities Management Manager who upholds and demonstrates the importance of <b>Professional Ethics, Environment, Safety</b> and <b>Health</b> work culture at the facility and prioritize the sustainable approach in his management.
PO3	<b>Operation &amp; Maintenance and Technology Application</b>	Facilities Management Manager who evaluating a range of <b>Operation</b> and <b>Maintenance</b> facilities management techniques across project under taking which include planning, execution and control to underpin substantial and reasonable judgmental evaluation. Adapt sustainable <b>Technology Application</b> in the process of operation and maintenance
PO4	<b>Communication and FM Team</b>	Facilities Management Manager who excel in effective <b>communication</b> with his employer and team member which able to translate the needs into satisfactory Project Management and leading a negotiation with stakeholders and multi-disciplinary <b>FM Team</b> for compliance with all needs, technical and commercial requirements.
PO5	<b>Quality, Planning, Monitoring and Control</b>	Facilities Management Manager who ensuring a <b>Quality</b> deliverable from his team services through the efficient <b>Planning, Monitoring</b> and <b>Control</b> with establishment of management procedures in risk management, proactive and reactive maintenance in predicting and forecasting followed by mitigating using specific conventional techniques and modern facilities management tools for satisfactory quality assurance.
PO6	<b>Procurement, Finance and Budget Management</b>	Facilities Management Manager who demonstrate the comprehensive understanding of project <b>Procurement, Finance</b> and <b>Budget Management</b> principles start from initial conceptual stage through client's needs/brief for effective procurement and in the same time, able to predict and forecast the cash flow and execute the financing control along the project delivery until closing account.

<b>P07</b>	<b>Tender, Contract and Vendor Management</b>	Facilities Management Manager who well verse in <b>Tender, Contract</b> and <b>Vendor Management</b> activities and procedures in delivering high yield investment to his employer through systematic SWOT analysis and solve discrepancies or using appropriate dispute resolution strategies in accordance with the contract.
<b>P08</b>	<b>Personal Skill and Entrepreneurship Skills</b>	Facilities Management Manager who leading an exemplary <b>Personal Skill</b> include self-directing lifelong learning and facilitate great worthy <b>Entrepreneurship Skills</b> and continuously explore and obtain related competencies for an efficient and excellence of Facility Project Management.

**Jadual 6:** Syarat kelayakan permohonan dan pentauliahan bagi Program Pentauliahan Pengurus Pembinaan Pembentungan (SCM) – Tahap 5

KATEGORI	TAHAP KELAYAKAN AKADEMIK	PENGALAMAN KERJA (TAHUN)
1	Professional berdaftar (cth: Ir., Ar., Sr., PhD) <i>Registered Professionals (Ir., Ar., Sr.)</i>	-
2	Sarjana di dalam Pengurusan Projek / bidang berkaitan pembinaan <i>Master in Project Management / Construction Related Courses</i>	1
3	Sarjana Muda di dalam bidang berkaitan pembinaan <i>Degree in Construction related courses</i>	3
4	Diploma di dalam bidang berkaitan pembinaan <i>Diploma in Construction related courses</i>	5
5	Sijil di dalam bidang berkaitan pembinaan <i>Certificats in Construction related courses</i>	8
6	Sijil Kemahiran Malaysia – Pengurus Pembinaan (Tahap 5) Construction Manager Level 5	3

**Jadual 7:** Syarat kelayakan permohonan dan pentauliahan bagi Program Pentauliahan Pengurus Projek Pembinaan (CCPM) – Tahap 6

KATEGORI	KELAYAKAN MINIMA AKADEMIK	TAHUN PENGALAMAN DI DALAM BIDANG PEMBINAAN YANG BERKAITAN	
		KAEDAH I	
1	Professional berdaftar (cth: Ir., Ar., Sr.)	-	
2	Sarjana di dalam Pengurusan Projek / bidang berkaitan pembinaan	3	
3	Sijil Antarabangsa di dalam Pengurusan Projek yang diiktiraf (cth: PMP (PMI), CPM (UK), CPM (IPMA), Reg.PM (AIPM), CIOB & AIB)	3	
4	Sarjana Muda di dalam bidang berkaitan pembinaan	5	
5	Sarjana Muda di dalam bidang bukan pembinaan	8	
6	Diploma di dalam bidang berkaitan pembinaan	8	
7	Diploma di dalam bidang bukan pembinaan	10	
8	Sijil di dalam bidang berkaitan pembinaan	10	
9	Sijil Kemahiran Malaysia – Pengurus Pembinaan (Tahap 5)	5	

**Jadual 7a:** Keberhasilan program bagi Program Pentauliahan Pengurus Projek Pembinaan (CCPM)

PO	SPECIFIC CRITERIA	PROGRAM OUTCOME STATEMENT
PO1	<b>Knowledge and Competency</b>	Construction Project Manager who has extensive <b>knowledge</b> and <b>competent</b> in Construction Project Management accomplishing to plan, coordinate, organise, monitor, control, mitigate and handover the construction project in meeeting the cost , duration and quality expected from the project life cycle activities.
PO2	<b>Ethics, Environment, Safety And Health Management</b>	Construction Project Manager who upholds and demonstrates the importance of <b>ethical</b> , professional, <b>environment</b> , <b>safety</b> and <b>health</b> work culture at the workplace and prioritize the <b>sustainable</b> development approach in his constuction project.
PO3	<b>Tender, Contract and Value Management</b>	Construction Project Manager who well verse in <b>tender</b> , <b>contract</b> and <b>value management</b> activities and procedures in delivering high yield investment to his employer through systematic SWOT analysis and solve discrepancies or using appropriate dispute resolution strategies in accordance with the contract until the project close-out activities.
PO4	<b>Procurement and Financial Management</b>	Construction Project Manager who demonstrate the comprehensive understanding of project management <b>finance</b> principles start from initial conceptual stage through client's needs/brief for effective <b>procurement</b> and in the same time, able to predict and forecast the cash flow and execute the financing control along the project delivery until closing account.
PO5	<b>Design &amp; Liaison and Team Management</b>	Construction Project Manager who excel in effective <b>communication</b> with his employer and team which able to translate the needs into satisfactory and approved <b>design</b> while leading a negotiation with stakeholders and <b>multi-disciplinary project team</b> for authorities' approvals within reasonable time in compliance with all needs, technical and commercial requirements.
PO6	<b>Quality Management, Project Planning, Monitoring And Control</b>	Construction project manager who ensuring a <b>quality</b> deliverables from his team services through the efficient project <b>planning</b> , <b>monitoring</b> and <b>control</b> with correct establishment of project management procedures in risk management, predicting and forecasting followed by mitigating using specific conventional techniques and modern project management tools for satisfactory documentations records.
PO7	<b>Complex PM Techniques &amp; Operation and Maintenance</b>	Construction project manager who <b>evaluating</b> a range of principles and <b>complex project management techniques</b> across wide obligations for the work of himself and other which include planning, execution and control to underpin substantial and reasonable judgemental evaluation as well as exercising credible autonomy along the process of construction until <b>operation and maintenance</b> .
PO8	<b>Personal &amp; Entrepreneur Skill</b>	Construction project manager who <b>leading</b> an exemplary personal skill include self-directing lifelong learning and facilitate great worthy <b>entrepreneurship</b> skills and continuously explore and obtain related competencies for an efficient and excellence of Construction Project Management.