

Institut Kemahiran MARA Kuching Sarawak

LESSON PLAN

COURSE/CLASS:	SIJIL TEKNOLOGI BEKALAN AIR DAN PEMBENTUNGAN		
SESSION:	JUL - DEC 2009	SEMESTER:	2
CODE/SUBJECT:	TCP 2114 EXTERNAL WATER SUPPLY SYSTEM	SHEET NO:	TCP2114/IS2
NO OF STUDENTS :	4 STUDENTS	WEEK:	2
DURATION:	2 HOURS	VENUE:	CLASSROOM
LECTURER:	EN ISMAIL BIN MT DAUT		

TOPIC:	1.0 WATER DISTRIBUTION SYSTEM	
SUB-TOPIC :	1.2 UNDERSTAND VARIOUS TYPES OF DISTRIBUTION LAYOUT.	
LEARNING OUTCOME :	Students must be able to : 1) Understand various types of distribution layout . 2) Identify terms and definations used in water main laying works .	

INSTRUCTIONAL AIDS	TITLE	CODE NO/QUANTITY
WRITTEN INSTRUCTIONAL MATERIALS	Module Exercise Sheet	TCP 2114 4 SET
AUDIO VISUAL AIDS	Computer LCD Screen	1 set 1 set 1 set
TOOLS/EQUIPMENTS	Marker (Blue /Black/Red) Duster Thumb drive Mini hard disk drive Presentation CD	3 nos 1 no 1 no 1 no 1 kpg

STAGE/TIME	TEACHER ACTIVITIES	STUDENT ACTIVITIES	REMARKS
INTRODUCTION (10 mins)	Greet student salam / Good Morning to student	Reply and Answer	
Induction Set	Check and Mark student attendant. Write down the main	Prays .Pay attention and take note .	Lcd cd White Board Marker Pen
madelion det	topic for this lesson on whiteboard 'UNDERSTAND VARIOUS TYPE OF WATER DISTRIBUTION LAYOUT '		
Prior Knowledge	 List the Objektif for this lesson on Whiteboard and explain to student . Ask student knowledge and experiences about 	Pay attention and give respond and take note.	
DEVELOPMENT (90 mins)	Explain various type of water distribution layout .	Pay attention and give respond and take note.	• Rujuk IS 2
	(Refer Presentation)		Present ation LCD
	Explain Dead End System .		Real Object
	(Refer Presentation		
	Explain Grid Iron System .		
	(Refer Presentation)		

	4. Explain Circular System. (Refer Presentation) 5. Explain Radial System (Refer Presentation	Pay attention and give respond and take note.	
SUMMARY (10 Mins)	Get feed back by asking several question regarding to the topic. Question 1: List 4 types of water Distribution layout in water reticulation system? Jawapan: a. Dead End b. Grid Iron c. Circular d. Radial Soalan 2: Draw / sketch dead end system. Meminta beberapa orang pelatih menjawab dan memberi peluang kepada pelatih lain membantu sekiranya pelatih yang dipilih tidak dapat menjawab.	Student respon by unswering question . Sketch Dead End System on White Board	

- Memberi pujian kepada pelatih yang dapat menjawab soalan dengan betul.
- Memastikan kefahaman pelatih tercapai melalui soalan yang diberi
- Memberi imbasan bagi topik seterusnya iaitu ' Main Pipe '

EVALUATION:

- 1. Give Information Sheet and Exercise Sheet .
- 2. Ask student to Check Information Sheet and Exercise Sheet given .
- 3. Ask student to answer question given .
- 4. Inform student 10 minute given to complete the task.

REFERENCE:

- Catalogue
- User Manual (SOP)
 Pumbing 1 & 2 Townsend Hutchinson Of London .
- Safety / first Aids Book .
- o Materials, Tools and Equipment Catloque.
- o Plumbing Service Design Guide Institut Of plumbing UK .
- Undang Undang Bekalan Air Tempatan KWB , JBA / JKR.
 Welding Handbook JIS 1991
- o Modul TCP 2114 External Water Supply System
- Laman web http://ibmdtkp2007.tripod.com

LESSON REFLECTION:

1.1 I felt satisfied with today's lesson because students gave a good response in the class. All groups gave a correct answer for Exercise 1. Therefore, the learning objectives were achieved and students showed their interest in understand various types of distribution layout.

Prepared by :	Checked by :
Signature :	Signature :
Name: Ilsmail Bin Mt Daut	Name :
Designation :	Designation:
Date :	Date :