





Taman Perindustrian Pulau Indah Pulau Indah, Selangor Persiaran Kuala Selangor, Seksyen 26, FN 40400 Shah Alam, Selangor







# F&N Manufacturing ABP / KRA Workshop

Manufacturing Full Year Briefing

Processing TPM & %Efficiency **Technical Training** E&T Pillar Strategy: ET, EM, FI

1	1		
The state of the s	Program	Target Participants	Objective
The state of the s	In-house Technical Operator (TO) Development	Semi-Skill Operator Technician	To skill upgrade
	Technical Expertise (TE) Development Program	Technical Operator (Polytechnics Batch 1)	To skill upgrade for job scope expansion   Machine Specialist  Training Required   • Electrical • Automation • Instrumentation
	Technical Training New Product	Engineers Technician New Hire	Water & Aseptic
	Train the Trainers	Engineers, Technicians	Continuous Improvement Program

### Manufacturing Strategy:

- 1. Low cost producer at high quality standard,
- 2. Continuous Excellence,
- Build people competency transform to innovation organization culture,

%Efficiency

F&P

%OEE =

AM, PM

Sustainability

### Down the memory lane...

















### F&N Dairies Mfg TPM Steering Committee

pure enjoyment . pure goodness





Technical

**Training Mgr** 

(E&T Pillar)

**Can Making Section** 



Mr Safaruddin Jemain, Mgr, Plan Operation, Can Making (AM Pillar)



Heng

Industrial

Engineer

(FI Pillar)

Ravintharan AM Pillar Leader **CMS** 



Mgr, Plant

Operation,

Filling &

**Packing** 

**Gary Low E&T** Pillar Leader CMS



Engineering

Mgr, Eng

Services

(PM Pillar)

Kusraju FI Pillar Leader, **CMS** 



Cheong

Snr Mgr, R&D

Dairy

(EM Pillar)

Mohd Fauzi PM Pillar Leader, **CMS** 

Ms Woo Mei Leng Asst Mgr, **Finance** (OT Pillar)

Ms Christine Lee Head of Quality



Asst Mgr, SHE (QM Pillar) (SHE Pillar)





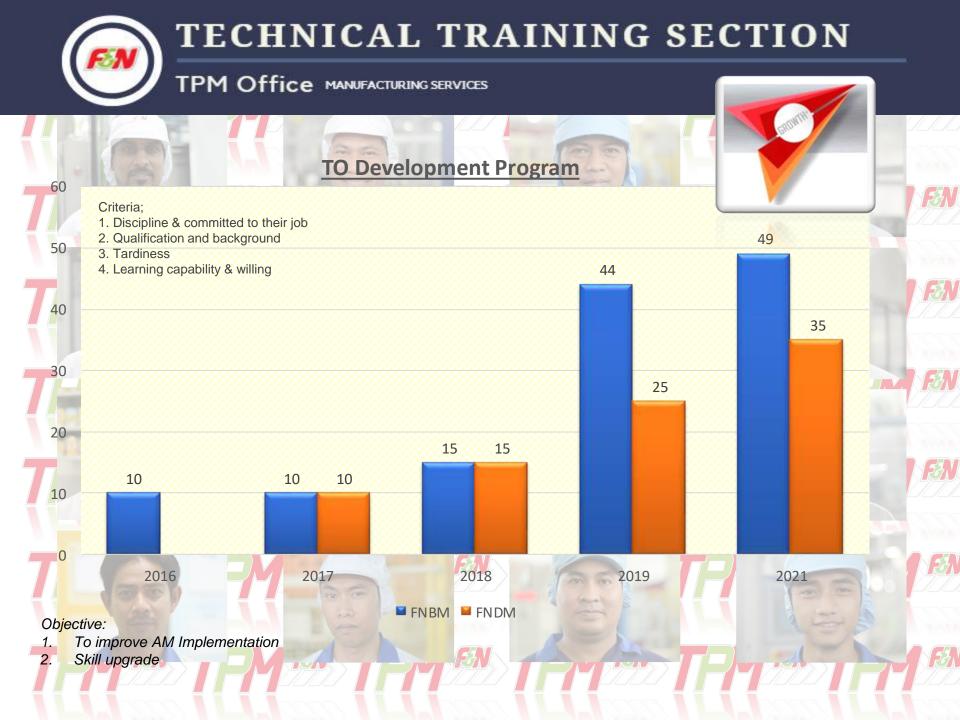


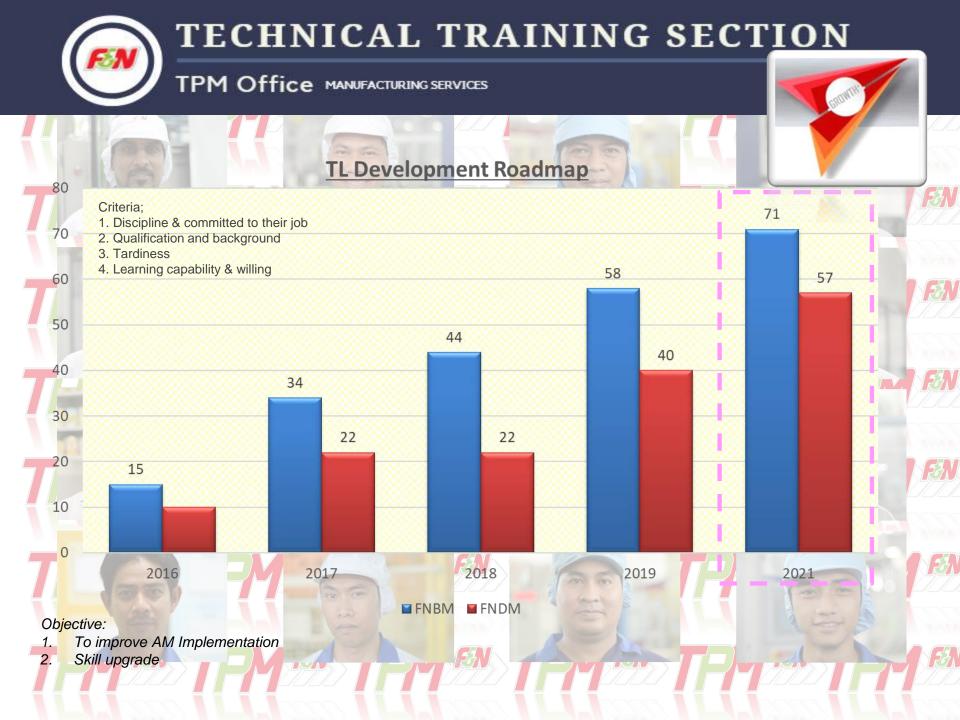






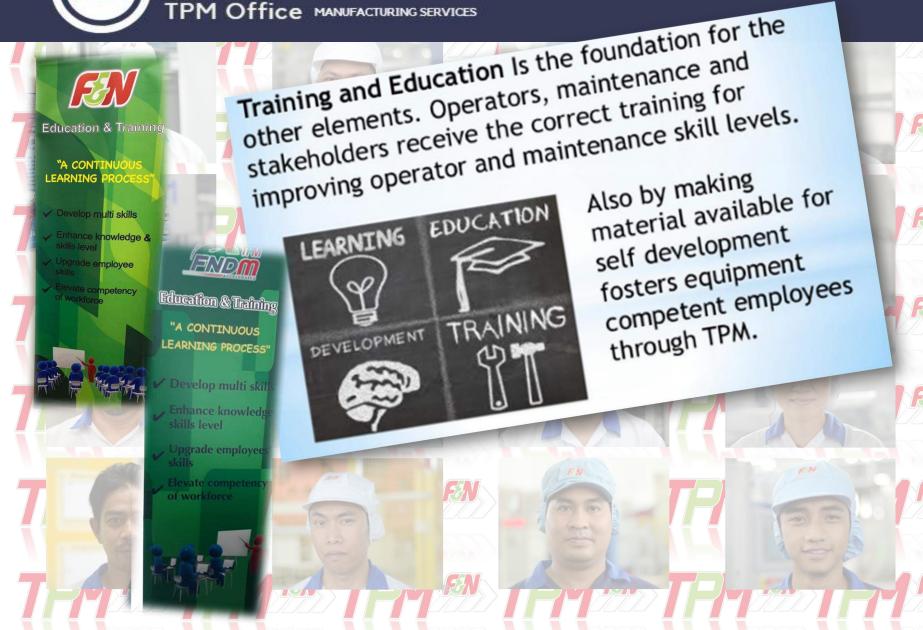














# TO Development Plan

Semi Skilled

Enabler :

In- House TO Program

Skilled



In-house Trainer

**Engineering Department** 





TPM Office MANUFACTURING SERVICES





### F&N Dairies Manufacturing Sdn Bhd Polytechnic assessment INTERNAL TRAINING SCHEDULE (OJT)

Уес	ır : 2016/17	Month		D	ес				Jan				F	eb	
2 Maintenance 3 Production Operatio						SCHEDULE									
No	Module	Item	Wı	Wa	Ws	Wa	Wı				We	Wi	Wa	Ws	W4
		Occupation Safety & Healthy						***	****		113				
	Manufacturina	Technical Drawing													
1	-	Hand Tools	1	_			_						_	$\vdash$	_
	recrinology		┢	-	-	-	-			-	-		├	H	-
_		Drilling											_	$\vdash$	
		Belt Drive												$\vdash$	
_	Power Transmission &	Chain Drive Gear Drive		_									_	$\vdash$	_
2	Maintenance			_		_	_			_	-		_	$\vdash$	_
		Shaft & Bearing		-		_	-				-		-	Н	
_		Machine equipment		_		_	_		_	_	_		_	$\vdash$	_
		Documentations knowledge,		_		_	_			_	-		_	$\vdash$	_
		Conveyor function.	₽-	_		_							_	$\vdash$	
3	Production Operation	Machine function.	-											ш	
		Production & Capacity Planning												ш	
		Quality & Productivity.												$\vdash$	
		Check abnormal equipment	<u> </u>											ш	
	Service Equipment &	Gear Drive and shaft Alignment												$\vdash$	
4	Machinery	Maintenance Plan Schedule & Check list					_						_	$\vdash$	
	,	Modification for maintenance & service	₩	_		_	_				_		_	$\vdash$	
_		Lubrication method and type.		_		_	_						_	$\vdash$	_
		How to Test equipment		_									_	$\vdash$	
_	Electronic	Understanding Electronic components	-	_		_	_	_					_	$\vdash$	
5	Maintenance	How to Testing electronic components,	<u> </u>	_		_							_	$\vdash$	
		Understanding Schematic Circuit Diagram	<u> </u>											ш	
		Troubleshooting Faulty on Electronic equipment.	₩	_		_	_	_					_	$\vdash$	
		Principle of Electrical Circuit.	₩	_		_		_					_	$\vdash$	
		Electrical Circuit Diagram.	<u> </u>											ш	
	Electrical	AC 240v, 415v and DC power supply.												$\vdash$	
	Maintenance	Protection Device.												$\vdash$	
		Electrical motor starter Electrical Equipment.	-	-		_	_	-			_		-	Н	_
		Measuring & Testing					-						-	$\vdash$	
_		Understanding Hydraulics System.	-	-			-	-					-	H	-
		Componence's Hydraulic & Electro-Hydraulics.	-	-			-	-					-	H	
7	Electro-Hydraulic	Switches & Sensors.					-							$\vdash$	
1	Cleciro-riyar adiic	Electro-Hydraulic Circuit Design.					_							$\vdash$	
		Electro-Hydraulic Maintenance & Troubleshooting.					_							$\vdash$	
-			1												
	Machine OJT	Kiram Filler (Seamer)	<b>!</b>											$\vdash$	
8	When they carry	Mat Nayan (Krones)													
١	schedule maintenance	Shamsa (JBT Sterilizer)													
		Hanif (krones & Cermex)													

Various Section Plant









### **EXAMPLE OF THEORETICAL QUESTIONS**









### The topics to be covered are:

- Manufacturing Technology
- Power Transmission & Maintenance
  - Production Operation
- > Symbols
- Service Equipment & Machinery
  - **Electronic Maintenance**
  - Electrical Maintenance
  - Electro-Hydraulic









### Competency Assessment | Shah Alam Plant

						tion and application.			
For position	Skill	Description	Criteria	Symbol		tion and application.			
Untuk jawati		222		2,2.	_	tion and application.			
Category:	1		Insufficient knowledge or						
Date:	0	Cannot do	experience to perform standard			tion and application.			
Tarikh	1		experience to perform storicard			and spare parts required			
					$\dashv$	tion and application.			
Syllabus: Kursus	1					tion and application.			
NAVSUS	1	Knows all elements of task	Has fully reviewed instructions, reference material and is familiar			on and method.			
	'	Knows all elements of task	with tools of the job						
Skill			With tools of the job						
				-	$\dashv$				
0	1		Has Received instruction from Level						
	1	Can do the basics	4 instructor			tion.			
<u> </u>	2		<ul> <li>Has performed task correctly before</li> </ul>			and parts required.			
	1		a Level 4 instructor.			tion and application.			
1	1					tion and application.			
					_	on and method.			
	1					tion and application.			
	3	Can do fully	<ul> <li>Qualified by Level 4 Instructor</li> </ul>			Vlaintenance required.			
2	1	,	,			Maintenance required.			
					_				
	1			l		tion and application.			
	4	Can teach others how to do	Has taught or audited another			erter			
3	~		person's work within 90 days			and configuration.			
4						tion and application.			
						est.			
					Insulatio	n Test.			

Competency:

MCCB

(list of items contributing to

the same competency)

1 Main Electrical Installation

(explain how/what to do)

Basic Operation and application.

Basic Operation and application.

Resistance Test. Load measurement - standard

- optional

- bonus

- Yes

- Yes-

# TECHNICAL TRAINING SECTION TPM Office manufacturing services



Enabler:

TL/TO/ Technician (Eng)

1. In-House & OEM Machine
Training Program
2. Automation Training

Technical Specialist

OR

Technical Expert

Basic Bectrical & Wing for Operator	Hectno motor and Starter & protection	Basic automation for Operator
Fauzi		Poopalan
S1 S2 S3 S4 S5 S6 S7 S8	S1 S2	S1 S2

Siemens	PLO		15 OS	)  -  -	ogrammi	ac service	asic Fl	E E E
M	lorizan	ì		Nori	Iam		Ba	lan
51	52	53	51	52	53	54	52	53

Basic	Pressure Measureme	ŧ	Basi		Measureme	a o o	Controller	
	Najmi		•	lorizar	n	Najmi		
51	52	53	51	52	53	51	52	53

In-house Trainer

**Engineering Department** 























TPM Office MANUFACTURING SERVICES



# Skill Map – Departmental Competency Analysis 121



- Focus Group Executive and above
  - Staff Listing Manufacturing FNBM (Prod Main, APET, UHT, QA,QC, Engineering)

Ability





√ Engineer √ Exec & Sr. Exec **VLOE** ✓ AM √ Manager

Identify Skill Gap

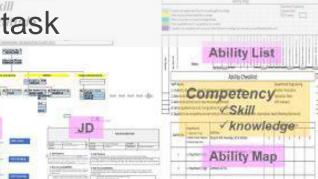
Continuous Evaluation & Assessment

Competency

Org Chart

√ Knowledge

- Job scope
- Multi-skill & Multi-task





pure enjoyment, pure goodness













# (FN)

# TECHNICAL TRAINING SECTION

TPM Office MANUFACTURING SERVICES



OYOSHI















# Thank you

