



STREAM B



HARI PERTAMA

NAMA KUMPULAN	:	RET-COT
ORGANISASI	:	PERODUA ENGINE MANUFACTURING SDN BHD
TAJUK PROJEK	:	MENGEKILKAN SAIZ CHIP SEBANYAK 77.8% (45MM KEPADA 10MM)
PENJIMATAN PROJEK	:	RM 98,346.56

A. LATAR BELAKANG PROJEK

SEJAK 2013, TERDAPAT ADUAN DARI ENGINE SHOP BERKENAAN KUALITI ISU YANG TERLEPAS KEPADA MEREKA. SETIAP TAHUN KAMI MENERIMA ADUAN YANG SAMA IAITU CHIP BERBENTUK "C" TERTINGGAL DI DALAM PART CYLINDER HEAD. SELAMA ITU JUGA, KAMI TELAH DIBERI MANDAT DARIPADA PIHAK PENGURUSAN UNTUK MENYELESAIKAN PERMASALAHAN INI. WALAUPUN PELBAGAI AKTIVITI PENAMBAHBAIKAN TELAH KAMI LAKUKAN TETAPI, KAMI GAGAL MENYELESAIKAN MASALAH TERSEBUT. SELEPAS 17 EPISOD KEGAGALAN, AKHIRNYA PADA TAHUN INI, KAMI TELAH BERJAYA MENYELESAIKAN MASALAH KUALITI ISU INI DENGAN PENGLIBATAN PELBAGAI PIHAK.

B. PUNCA UTAMA MASALAH

CHIP YANG BERBENTUK "C" DAN BERSAIZ BESAR (40~45MM) GAGAL DIALIR KELUAR OLEH BENDALIR PEMOTONG DARI DALAM PART CYLINDER HEAD SELEPAS PROSES PEMOTONGAN DI MACHINING.

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

1. PENAMBAHBAIKAN "CUTTING CONDITION"
2. PENAMBAHBAIKAN GEOMETRI & DESIGN PADA TOOL
3. PENAMBAHBAIKAN PENAMBAHAN TOOL
4. PENAMBAHBAIKAN CHIP BREAKER PADA TOOL
5. PENAMBAHBAIKAN PADA "RAWCAST"

D. TANDA ARAS

MENGEKILKAN SAIZ CHIP SEBANYAK 77.8% (45MM KEPADA 10MM)

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

1. TIADA LAGI ADUAN DARIPADA PIHAK ENGINE SHOP KERANA CHIP BERBENTUK "C" TELAH BERJAYA DIHAPUSKAN SEPENUHNYA.
2. "ZERO OUTFLOW" KEPADA PELANGGAN
3. BERKONGSI AKTIVITI PENAMBAHBAIKAN KEPADA KUMPULAN DAIHATSU (JAPAN & INDONESIA)
4. PENJIMATAN SEBANYAK RM319,626.32/TAHUN.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

1. RANKING PERTAMA – QCC SEMI FINAL DI PERINGKAT PERODUA
2. PENGIKTIRAFAN DARIPADA PIHAK MAJIKAN.
3. RANKING NAIB JOHAN – QCC FINAL DI PERINGKAT PERODUA.
4. ALL DAIHATSU QC CIRCLE CONVENTION – GOOD ACTIVITY AWARD.

NAMA KUMPULAN : PLD FIRST VISION
ORGANISASI : PIDMY
TAJUK PROJEK : INCREASE EFFICIENCY FOR SHIPMENT PROCESS
PENJIMATAN PROJEK : RM 132

A. LATAR BELAKANG PROJEK

INCREASE PRODUCTIVITY AT THE OPERATION PROCESS.
ENHANCEMENT EDUCATION FOR SPACIAL STAFF. IMPROVE
SYSTEM AT THE PROCESS.

IMPLEMENTATION OF DAILY OPERATION CONTROL USING SCOREBOARD.

SUCH AS TO IMPROVE PROCESS FLOW FROM MANUAL PROCESS TO SYSTEMIZE, EDUCATION AND DAILY
MONITORING.

B. PUNCA UTAMA MASALAH

SYSTEM NOT SYNCRONICE VS REQUIREMENT PROCESS

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

1. IMPROVE EDUCATION METHOD
2. IMPROVE PROCESS FLOW
3. IMPROVE SYSTEM IN WAREHOUSE OPERATION

D. TANDA ARAS

1. INCREASE PRODUCTIVITY.
2. COST SAVING.
3. PROCESS EFFICIENCY.

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

REDUCE COST SAVING , STAFF CAPABILITY INCREASES AND OTHERS PANASONIC COME FOR STUDY TO
OUR COMPANY TO STUDY OUR ACTIVITIES DONE.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

GOLD AWARDED IN 44RD QCC PIDMY CONVENTION.

GOLD AWARDED IN REGIONAL TEAM EXCELLENCE CONVENTION (SABAH/SARAWAK)

NAMA KUMPULAN : AVENGERS
ORGANISASI : HICOM TECK SEE MANUFACTURING (M) SDN BHD
TAJUK PROJEK : ELIMINATION OF APPEARANCE ISSUE ON HONDA TEAA/TEAZ GARNISH ASSEMBLY REAR LICENSE
PENJIMATAN PROJEK : RM 132

A. LATAR BELAKANG PROJEK

- ELIMINATION OF APPEARANCE ISSUE ON HONDA TEAA/TEAZ GARNISH ASSY RR LICENSE
- ELIMINATION OF REWORK ACTIVITY DUE TO APPEARANCE ISSUE FROM MAY 2016 TO DECEMBER 2016.
- TOTAL COST DUE TO REWORK FOR 3 MONTHS WAS RM15,857.42

B. PUNCA UTAMA MASALAH

DIMPLE MARK/SINK MARK

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

1. PROJECT SELECTION MATRIX
2. IMPACT VS TIME/COST/RISK
3. DRILL DOWN TREE
4. KANO DIAGRAM
5. FISHBONE DIAGRAM
6. AS IS PROJECT MAPPING
7. MOCK UP ACTIVITY
8. GENBA
9. TRAINING / COMMUNICATION PLAN
10. KAKOTORA

D. TANDA ARAS

ZERO COMPLAIN

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

NO COMPLAINTS RECEIVED FROM HONDA AFTER MOLD MODIFICATION AND SAVED COST ABOUT RM 197K

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

WON 2ND RUNNER UP AWARD FOR HTS SGA ICC/HCDP FINAL CONVENTION 2017 ON 15TH APRIL 2017)

NAMA KUMPULAN : JIHAD
ORGANISASI : INGRESS TECHNOLOGIES SENDIRIAN BERHAD
TAJUK PROJEK : OVERCOME "BOLT STUCK" ISSUE FOR PART NO 57403/4"
PENJIMATAN PROJEK : RM 81,986.00

A. LATAR BELAKANG PROJEK

PROJEK INI ADALAH BERKAITAN DENGAN 'KESEDARAN & MENINGKATKAN KUALITI'. SETELAH DIANALISA DENAGN TELITI DIDAPATI AKTIVITI PENGELUARAN DI BAHAGIAN BRACKET LOWER CONTROL LINK MENGHADAPI MASALAH BOLT STUCK DIANTARA BULAN APR – JUNE 2016. KAMI TELAH MENYALESAKAN MASALAH DENGAN MENGGUNAKAN PENDEKATAN ICC

B. PUNCA UTAMA MASALAH

ANTARA PUNCA MASALAH :

PART SETTING NG
SPATTER CO2
LOKASI PENYIMPANAN PART YANG TERLALU HAMPIR
ALAT PEMERIKSAAN TIDAK SESUAI

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

CADANGAN PENYELESAIAN INOVATIF & KREATIF :

1. MENGHASILKAN LOCATOR PIN YANG BARU
2. MEMASANG SPATTER COVER
3. MEMASANG PEMISAH BAGI MENGELAKKAN SPATTER TERPERCIK KE PART LAIN
4. SISTEM 'KAYUH BOLTING'

D. TANDA ARAS

1. INTERNAL PROJECT BENCHMARKING

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

MENGHAPUSKAN DEFECT BOLT STUCK
MENGURANGKAN MASA OPERASI
MENGURANGKAN CUSTOMER COMPLAINT

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

1ST PLACE IN INGRESS TECHNOLOGIES INTERNAL ICC CONVENTION FOR THE YEAR 2016

NAMA KUMPULAN : D'SOLUTION
ORGANISASI : NIPPON WIPER BLADE
TAJUK PROJEK : CYCLE TIME PROSES BLADE – AMPL TIDAK SEIMBANG
PENJIMATAN PROJEK : RM 35,000

A. LATAR BELAKANG PROJEK

1. MERUJUK KEPADA SASARAN TAHUNAN C-CHART (KPI) PENGURUSAN BAHAGIAN BLADE ASSEMBLY, KUMPULAN MENGGUNAKAN KAEDAH AFFINITY DIAGRAM DALAM MENGENALPASTI SEMUA MASALAH YANG BERKAITAN.
2. MELALUI DATA YG DIKUMPUL, SATU DARIPADA SEKSYEN DI BAHAGIAN BLADE ASSEMBLY DIDAPATI MENCATAT REKOD CYCLE TIME YG TIDAK SEIMBANG BERBANDING 6 LAGI BAHAGIAN YG LAIN. KEADAAN INI MENYUMBANG KEPADA MASALAH :
 - 2-1) PRODUKTIVITI : AKIBAT 'WAITING TIME' DAN LOSS TIME YANG TINGGI
 - 2-2) 5S : KEADAAN PRODUK YANG 'BERLONGGOK' ANTARA PROSES
 - 2-3) MORAL : PEKERJA DI PROSES TERSEBUT 'MENGULOR' KERANA 'WAITING TIME'

B. PUNCA UTAMA MASALAH

- LOSS TIME AKIBAT :
- 1) PEMBAHAGIAN KERJA YANG TIDAK SEIMBANG
 - 2) KAEDAH KERJA TIDAK SELARAS

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

- 1) MEMBUAT GABUNGAN PROSES KERJA
- 2) MENAMBAHBAIK DAN MENYELARASKAN KAEDAH KERJA BAGI SETIAP PROSES
- 3) MEMPERKENALKAN SYSTEM TROLI KITTING
- 4) MEMBUAT PERTUKARAN LAYOUT UNTUK SUSUNAN STORAGE SUPPLY PACKING
- 5) MEMBUAT DESIGN BARU UNTUK STORAGE STICKER

D. TANDA ARAS

AVERAGE BALANCE TIME MERUJUK KEPADA NECKTIME PROSES DI LINE TERSEBUT.

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

MEMPERKENALKAN TROLI KITTING SERBAGUNA.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

TEMPAT KE-3 DI KONVENSYEN DALAMAN SYARIKAT TAHUN 2016 DAN ANUGERAH EMAS DALAM TEAM EXCELLENCE MINI KONVENSYEN WILAYAH SELATAN 2017

NAMA KUMPULAN : NON STOP 2
ORGANISASI : INGRESS TECHNOLOGIES SENDIRIAN BERHAD
TAJUK PROJEK : MENGATASI MASALAH DEFECT TERLEPAS KEPELANGGAN.
PENJIMATAN PROJEK : RM 24,000.00

A. LATAR BELAKANG PROJEK

PROJEK INI ADALAH BERKAITAN DENGAN 'KESEDARAN & MENINGKATKAN KUALITI'. SETELAH DIANALISA DENGAN TELITI DIDAPATI AKTIVITI PENGELUARAN DI BAHAGIAN STAMPING LINE MENGHADAPI MASALAH DIANTARA BULAN JAN – MAY 2016. KAMI TELAH MENYELESAIKAN MASALAH DENGAN MENGGUNAKAN PENDEKATAN ICC

B. PUNCA UTAMA MASALAH

ANTARA PUNCA MASALAH :

KURANG PEMAHAMAN KERJA
KESUKARAN MELAKUKAN PEMERIKSAAN
TIADA SISTEM AMARAN PROSES

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

CADANGAN PENYELESAIAN INOVATIF & KREATIF :

1. MEWUJUDKAN TATACARA KERJA BARU
2. MENYEDIAKAN SIMPLE GAUGE
3. MEMPERKENALKAN 'GREEN PANEL' UNTUK DEFECT YANG PERNAH BERLAKU.
TRAINING MELALUI VIDEO UNTUK CARA PEMERIKSAAN PART.

D. TANDA ARAS

1. INTERNAL PROJECT BENCHMARKING

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

MENGHAPUSKAN MASALAH DEFECT TERLEPAS KE PELANGGAN.
MENGURANGKAN MASA OPERASI.
MENGURANGKAN CUSTOMER COMPLAINT.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

2ND RUNNER UP NATIONAL ICC CONVENTION 2003
1ST RUNNER UP NATIONAL ICC CONVENTION 2011
3 STAR AWARD INTERNATIONAL ICQCC 2012
2ND PLACE IN INGRESS TECHNOLOGIES INTERNAL ICC 2016

The background features a low-poly, geometric design. At the top, there are jagged, layered shapes in shades of orange and red, resembling a mountain range or a torn paper effect. Below this, a large, central mountain peak is rendered in various shades of pink and light purple, composed of many small triangles. A bright white, glowing path winds through the lower half of the image, starting from the bottom left and curving towards the right. The overall aesthetic is modern and abstract.

HARI KEDUA

NAMA KUMPULAN : **ARROW**
ORGANISASI : **PETRONAS GAS BERHAD (TANJUNG SULONG EXPORT TERMINAL)**
TAJUK PROJEK : **HIGH FLARING COUNTER DUE TO LOW RELIABILITY OF HEAT EXCHANGER**
PENJIMATAN PROJEK : **RM 605,328**

A. LATAR BELAKANG PROJEK

TANJUNG SULONG EXPORT TERMINAL HAVE 2 UNIT OF HEAT EXCHANGERS WHICH ARE T-831 FOR ET1 AND T-841 FOR ET2. THE FUNCTION IS TO CONDENSE SUPERHEATED VAPOR FROM COMPRESSOR INTO HOT LIQUID USING COOLING WATER AS COOLING AGENT.

FLOW RESTRICTION, OBSTRUCTION AT THE TUBES AND PRESENCE OF FOREIGN MATERIAL BLOCKING THE INLET OF HEAT EXCHANGER CAUSING THE HEAT EXCHANGERS UNABLE TO DELIVER HUNDRED PERCENT OF ITS COOLING FUNCTION. IT WILL LEAD TO PLANT EQUIPMENT DOWNTIME AND CONTRIBUTE TO LOW RELIABILITY AND AVAILABILITY OF HEAT EXCHANGERS. BASED ON TROUBLESHOOTING DONE, THE ROOT CAUSE OF HEAT EXCHANGER CLOGGED WAS DUE TO FOREIGN MATERIAL COME FROM COOLING WATER BASIN WHICH STUCKED AT HEAT EXCHANGERS.

B. PUNCA UTAMA MASALAH

PUMP IMPELLER DAMAGE

FOREIGN MATERIAL PASSING THROUGH COOLING WATER STRAINER BECAUSE SIZE STRAINER NOT SUITABLE. PRESENCE OF FOREIGN MATERIAL BLOCKING THE INLET OF HEAT EXCHANGER CAUSING THEM UNABLE TO DELIVER HUNDRED PERCENT OF ITS FUNCTION NO UPDATED SOP

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

- INSTALLED NEW SMALLER SIZE OF WIRE MESH AT THE EXISTING STRAINER
- TO CREATE STANDING INSTRUCTION (SI) BEFORE AMEND SOP.

D. TANDA ARAS

- MANAGEMENT TARGET SETTING TO REDUCING FLARING COUNTER BELOW 22 TIMES PER MONTH AND MAINTAIN PRESSURE BELOW 1250KPAG BY YEAR 2017.
- PETRONAS TECHNICAL STANDARD (PTS) 16.52.04 DESIGN OF PRESSURE RELIEF, FLARE AND VENT SYSTEMS.

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

NOT REQUIRE TO PERFORM INTENSE CLEANING OF HEAT EXCHANGER DURING PLANNED SHUTDOWN

INCREASE PROCESS STABILITY

INCREASE HEAT EXCHANGER RELIABILITY

IMPROVEMENT ON HEAT EXCHANGER PERFORMANCE

REDUCING ON HEAT EXCHANGER CLEANING OR REPLACEMENT COST

REDUCTION OF FLARING COUNTER BELOW 22 TIMES PER MONTHS AND MAINTAIN PRESSURE BELOW 1250KPAG

REDUCTION NUMBER OF TOTAL FLARING PER YEAR RESULTING IN HIGH REDUCTION OF PONC 76.15 % PONC SAVING

CONTRIBUTE TO PGB 3ZERO 100BEYOND

ALIGN WITH PETRONAS 5QP

REDUCE BLACK SMOKE EMISSION DUE TO UNEXPECTED FLARING

PROTECT ENVIRONMENT FROM ANY EXPLOSION INCIDENT AND COMPLY WITH PROCESS SAFETY REQUIREMENT.

IMPROVE EFFICIENCY OF HEX PERFORMANCE

RESOURCES MAY BE UTILIZED TO OTHER HIGH PRIORITY AREAS

PREVENT PROCESS UPSET AND INTERRUPTED PROCESS ACTIVITY

PREVENT PRODUCTION SLOWDOWN FROM GAS PROCESSING PLANT.

REDUCE POSSIBILITY OF TANK TOP CONDITION AT GAS PROCESSING PLANT

STEADY FLOW OF COOLING WATER ACROSS HEAT EXCHANGER AFTER STRAINER REPLACEMENT

NOT REQUIRE TO PERFORM INTENSE CLEANING OF HEAT EXCHANGER.

UNINTERRUPTED PRODUCTION AND SUPPLY, THUS MAINTAINING NATION'S PROSPERITY IN POWER, GAS & PETROCHEMICAL SUPPLY CHAIN

CONTINUOUS PRODUCT SUPPLY TO CUSTOMER WITHOUT ANY COMPLAINTS AND DEMURRAGE

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

GOLD AWARD IN CONVENTION TEAM EXCELLENCE NORTH NEGIION 2017

FOCUSED RECOGNITION BY TSET MANAGEMENT

ACKNOWLEDGEMENT FROM PRINCIPLE WATER TECHNOLOGY PETRONAS GAS BERHAD

ACKNOWLEDGEMENT BY OPERATION EXECUTIVE FROM GAS PROCESSING KERTIH

ACKNOWLEDGEMENT FROM MAINTENANCE MANAGER AND PLANNER FROM PETRONAS CHEMICAL ETHYLENE

ACKNOWLEDGEMENT FROM UNIVERSITI TEKNOLOGI PETRONAS

ACKNOWLEDGEMENT FROM GE WATER AND TECHNOLOGIES

NAMA KUMPULAN : **HEXA CAPSICUM**
ORGANISASI : **KAIFA TECHNOLOGY MALAYSIA SDN BHD**
TAJUK PROJEK : **OPTIMIZATION OF UPH IN PCBA ASSEMBLY**
PENJIMATAN PROJEK : **RM 397,936 PER LINE**

A. LATAR BELAKANG PROJEK

KAIFA TECHNOLOGY MALAYSIA SDN BHD OBJECTIVE IS PROVIDING WORLD CLASS ELECTRONIC MANUFACTURING PRODUCT AND SERVICES TO OUR CUSTOMERS VIA CONTINUOUSLY PURSUING FOR EXCELLENT IN QUALITY, COST, DELIVERY AND SERVICES.

MANUFACTURING COST IS THE SUM OF COSTS OF ALL RESOURCES CONSUMED IN THE PROCESS OF MAKING A PRODUCT, CLASSIFIED INTO THREE CATEGORIES: DIRECT MATERIALS COST, DIRECT LABOUR COST AND MANUFACTURING OVERHEAD.

WITH THE DEMAND FROM OUR CUSTOMERS TO REDUCE THE PRODUCT AND SERVICE COST EACH YEAR, IT IS A VAST CHALLENGE TO KAIFA MALAYSIA TO OPTIMISE AND LEAN OUR OPERATIONS.

LEAN MANUFACTURING IS AN AREA FOR KAIFA TO EXPLORE IN ORDER TO REDUCE OVERALL COST. AREAS WHERE USING INTENSIVE MANUAL LABOUR IN THE OPERATIONS NEED TO REVISIT AND OPTIMIZE.

TEAM WAS FORMED FOR THE BREAKTHROUGH SOLUTIONS AND KAIFA MALAYSIA DECIDED TO INTRODUCE AUTOMATION, REPLACING MANUAL INTENSIVE OPERATIONS IN ORDER TO ACHIEVE BETTER UPH (UNIT PER HEADCOUNT) AND REDUCING OVERALL OPERATING COST.

B. PUNCA UTAMA MASALAH

X1 – PROCESS - MANUAL HANDLING PROCESS AT PCBA ROUTING, ICT TESTING AND FUNCTIONAL TESTING.

X2 – MAN – INADEQUATE MAN POWER, ABSENT IN OPERATIONS DUE TO MULTIPLE REASONS.

X3 – MATERIAL - MATERIAL MOVEMENT FROM STATIONS DONE MANUALLY AND NOT LEAN

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

X1 – USE OF ROBOTIC ARM (AUTOMATION) TO HANDLE THE PRODUCT, REPLACING HUMAN HANDLING ACTIVITIES.

X2 – USE VISION SYSTEM FOR VERIFICATION, REPLACING THE MANUAL GAUGE FOR PRODUCT OUTLINE DIMENSION CHECK.

X3 – USE INLINE CONVEYOR SYSTEM FOR TRANSPORTING THE PRODUCT, REDUCING THE TRAVEL TIME AND MANUAL HANDLING.

D. TANDA ARAS

HEADCOUNT REDUCTION FROM 27 PER LINE PER DAY TO 15 PER LINE PER DAY. (REDUCE 6 OPERATORS PER SHIFT @ 12 PER DAY). RESULT BETTER THAN CUSTOMER AUTOMATION LINE.

INCREASE PRODUCTIVITY FROM AN AVERAGE UPH OF 518 TO AN AVERAGE UPH OF 933.

INCREASE LINE EFFICIENCY BY 3.2%, HENCE REDUCING THE OPERATION OVERHEAD COST.

REDUCE THE DEFECT RELATED TO HUMAN OR MANUAL HANDLING.

PROJECT TEAM MEMBERS GAIN NEW EXPERIENCE IN AUTOMATION, BETTER TEAM WORK AND INCREASE PRODUCTIVITY AND MEETING INTERNAL AND EXTERNAL REQUIREMENTS.

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

DUE TO OVERALL POSITIVE RESULTS, KAIFA MALAYSIA DECIDED TO ADD ANOTHER 2 MORE AUTOMATION LINES, TOTAL OF 3 AUTOMATION LINES IN OPERATION.

KAIFA MALAYSIA ENGINEERING TEAMS ALSO HAVE OPPORTUNITIES TO GAIN AND EXPLORE MORE AUTOMATION KNOWLEDGE BY CALLABORATION WORK WITH KAIFA GLOBAL AUTOMATION TEAM.

KAIFA MALAYSIA MANAGEMENT HAS RECOGNIZED THE EFFORT OF THIS TEAM AND THE

COLLABORATION WORK TOGETHER WITH KAIFA AUTOMATION TEAM FROM SHENZHEN, CHINA.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

HEXA CAPSICUM TEAM MANAGE TO GET GOLD AWARD FOR THIS PROJECT AT KONVENSYEN TEAM EXCELLENCE 2017 WILAYAH SELATAN

NAMA KUMPULAN : FIRESTONE
ORGANISASI : KAIFA TECHNOLOGY SDN BHD
TAJUK PROJEK : ICT YIELD IMPROVEMENT ON "R370"
PENJIMATAN PROJEK : RM 145,195.00/-

A. LATAR BELAKANG PROJEK

- KAIFA MALAYSIA COMPANY OBJECTIVE IS TO PROVIDE WORLD CLASS ELECTRONICS PRODUCTS AND SERVICES TO OUR CUSTOMER, THROUGH CONTINUOUS PURSUE FOR EXCELLENT IN QUALITY, COST, DELIVERY AND SERVICES
- "R370" IS ONE OF OUR MEDICAL DEVICE PRODUCT, HENCE CUSTOMER HAS VERY HIGH EXPECTATION IN PRODUCT QUALITY, AND SERVICES.
- "R370" PRODUCT TEAM HAS BEEN LOOKING FOR BREAKTHROUGH IN OVERALL PRODUCT YIELD IMPROVEMENT ICT YIELD FOR "R370" PRODUCT IDENTIFIED AS KEY STATION FOR IMPROVEMENT AS ICT YIELD HAS LOWER YIELD PERFORMANCE WHEN BENCHMARK ON OTHER SIMILAR PRODUCT .

B. PUNCA UTAMA MASALAH

- X1 – PROCESS - SOLDER PASTE PRINTING OFFSET RESULTED IN LCD SOLDER SHORT
- X2 – MAN - INADEQUATE DEBUG SKILL TO ANALYSIS LCD DEFECTS , INITIAL ANALYSIS ALL LEAD TO SOLDERING DEFECTS (PROCESS RELATED)
- X3 – MATERIAL - LOW OHM REJECT AND LCD SOLDER SHORT DEFECTS
- X4 – MATERIAL – TOO MUCH SOLDER PASTE DEPOSIT ON LCD LOCATION

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

- X1 – CLOSE LOOP SYSTEM TO ENABLE SOLDER PASTE PRINTING MACHINE TO DO AUTO-CORRECTION BASED ON SPI (SOLDER PASTE INSPECTION) RESULT, TO REDUCE PRINTING OFFSET
- X2 – SEGREGATION OF ERROR CODE BY MATERIAL AND PROCESS RELATED FOR BETTER ANALYSIS
- X3 – COLLABORATE WORK WITH SUPPLIER (SHARE EXPERIENCE) TO ENHANCE SUPPLIER CAPABILITY TO DETECT LOW OHM AND SOLDER SHORT DEFECT. (MOVING DETECTION PROCESS UPFRONT AT IQC WITH PRE-TEST LCD RESISTANCE MEASUREMENT.)
- X4 – REDESIGN STENCIL APERTURE BASED ON THE DFM (DESIGN OF MANUFACTURING) GUIDELINES TO HAVE SUFFICIENT SOLDER PASTE DISTRIBUTION DURING HOT BAR PROCESS.

D. TANDA ARAS

- TARGET NO REJECT UNDER IQC AQL 0.4 INSPECTION. SUPPLIER RMA DPPM TARGET TO BELOW 100.
- ICT YIELD TARGET TO ACHIEVE 99.5%
- BENCHMARK WITH SIMILAR PRODUCT PLATFORM, "R370" AND "R360"

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

- IMPROVE ICT YIELD, IMPROVE PRODUCTIVITY, REDUCED REWORK AND SCRAP, AS LCD IS EXPENSIVE.
- IMPROVE LCD DEFECT DETECTION AT SUPPLIER WITH NEW TEST SCREEN IMPLEMENTATION
- ALL IMPROVEMENT ACTIONS AND LESSON LEARNT FROM "R370" PRODUCT LINE ARE DUPLICATED TO "R360" PRODUCT LINE, AND WILL BE INCLUDED IN ALL FUTURE PRODUCTS.
- PROJECT TEAM MEMBERS GAIN MORE EXPERIENCE IN PROBLEM SOLVING, AS NOT JUST FOCUS ON INTERNAL PROCESS, BUT LEARN TO APPLY AT ENTIRE SUPPLY LINE OF THE PRODUCT, WHICH INCLUDE SUPPLIER, INTERNAL AND CUSTOMER.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

KAIFA MANAGEMENT TEAM HAS RECOGNIZED THE EFFORT OF THIS PROJECT TEAM, AND THE COLLABORATION WORK WITH SUPPLIER TO TACKLE PROBLEM UPFRONT TO REDUCE COST OF QUALITY. THE PROJECT LEADER HAS BEEN SHORTLISTED AND NOMINATED FOR GREEN BELT TRAINING TO STRENGTHEN HER COMPETENCY WITH SIX SIGMA KNOWLEDGE.

OUR TEAM ALSO HAD WON 'GOLD' AND 'THE MOST PROMISING CIRCLE' DURING ICC MINI CONVENTION SOUTHERN REGION HELD AT KSL HOTEL ON 3TH APRIL 2017.

WE ALSO RECEIVED GOLD AWARD FOR REGIONAL ICC AT MELAKA ON 2ND AUGUST 2017.

NAMA KUMPULAN : THE PATRIOT
ORGANISASI : PANASONIC INDUSTRIAL DEVICES (M) SDN BHD
TAJUK PROJEK : TO MINIMISE FAILURE COST AT P2 SECTION
PENJIMATAN PROJEK : RM 20,761 (PER MONTH)

A. LATAR BELAKANG PROJEK

- 1) 11 GSG2 ENCODER TYPE HAS PRODUCE HIGH DEFECTIVE FROM AUGUST 16 TO OCTOBER 16
- 2) BASED ON PRODUCTION RECORD, MOST OF THE DEFECTIVE COMES FROM ROTATION TORQUE AND ROTATION NOISE.
- 3) OUR GOALS IS TO REDUCE THE ROTATION TORQUE AND ROTATION NOISE DEFECT FROM 0.31% TO 0.23%.
- 4) ROTATION TORQUE IS PRODUCE WHEN TORQUE IN PRODUCT IS HIGH OR LOWER THAN SPECIFICATION.
- 5) ROTATION NOISE DEFECT IS UNWANTED NOISE SOUND PRODUCE WHEN ROTATE THE PRODUCT.

B. PUNCA UTAMA MASALAH

- 1) SPRING FIXING PUNCH DESIGN PROBLEM.
- 2) DETENT GREASE AMOUNT INSUFFICIENT/EXCESSIVE.
- 3) NOT SUITABLE SWITCH BLOCK COMBINE FORCE.

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

BY IMPLEMENTING 6 SIGMA APPROACH AND DMAIC TOOLS, WE ANALYZE CURRENT PROCESS CONDITION AND COME OUT WITH FOOLPROOF SOLUTIONS. THE PROPOSE SOLUTIONS IS CHANGE THE PUNCH DESIGN, IMPROVE GREASE REFILL METHOD AND STANDARDIZE SWITCH BLOCK COMBINE FORCE.

D. TANDA ARAS

1. COST SAVING
2. PROCESS EFFICIENCY
3. INCREASE PRODUCTIVITY

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

- 1) WE MANAGED TO REDUCE 59% OF ROTATION TORQUE AND NOISE DEFECT FOR 11GSG2 PRODUCT FROM 0.31% TO 0.13%.
- 2) AS PIONEER OF 6 SIGMA METHODOLOGY APPLICATION AT PIDMY.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

- 1) RECOGNITION OF CERTIFIED 6 SIGMA GREEN BELT BY NEVILLE CLARKE.
- 2) SECOND PLACE AT PIDMY 44TH QCC CONVENTION.
- 3) PARTICIPANT OF PANASONIC AIS ASEAN QCC.

NAMA KUMPULAN : SUPERB WEIGHT
ORGANISASI : PANASONIC MANUFACTURING MALAYSIA BERHAD
TAJUK PROJEK : TO REDUCE WATER LEAK REJECTION FOR STAND FAN
PENJIMATAN PROJEK : RM34,268.02

A. LATAR BELAKANG PROJEK

THIS PROJECT CONSISTS OF PROCESS DEFECTIVE ANALYSIS AND ITS COUNTERMEASURE TAKEN TO ENSURE THE QUALITY OF PRODUCT ALWAYS ATTAINED. WATER LEAK HAS BEEN A VERY COMMON PROBLEM IN THE WATER WEIGHT PROCESS. THERE ARE MANY FACTORS WHICH CONTRIBUTED TO THIS PROBLEM. IN THIS PROJECT, SEVERAL ANALYSES OF COUNTERMEASURES HAD BEEN CONDUCTED USING THE POCA CYCLE. A QC CIRCLE WHICH CONSISTS OF 11 MEMBERS HAS BEEN FORMED TO TACKLE THIS PROBLEM EFFECTIVELY AND SYSTEMATICALLY WITH QC TOOLS AS THE FUNDAMENTAL OF THIS PROJECT AND THEIR OBJECTIVE IS TO REDUCE WATER LEAK FOR STAND FAN WATER WEIGHT THROUGH KAIZEN. THE DURATION OF THE PROJECT WAS FROM AUGUST 2016 TO JUNE 2017.

B. PUNCA UTAMA MASALAH

- 1.HOLDING JIG - CAUSING INSTABILITY WHILE WELDING.
- 2.WELDING HORN CRACK- CAUSING POOR ULTRASONIC WELDING CONDITION.
- 3.WELDING INCONSISTENT-CAUSING WEAK STRENGTH OF WELDING.
- 4.AIR BLOW NOT CONSISTENT - CAUSING UNSTABLE PRESSURE.
- 5.WATER WEIGHT COVER MOULD NEED SOME MODIFICATION DUE TO JOINT THICKNESS UNSTABLE

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

1. INSTALL ADDITIONAL SUPPORTING JIG TO HOLD WATER WEIGHT BASE.
- 2.CHANGE WELDING HORN TERMINAL HEAD TYPE.
- 3.INVEST ON NEW IMPROVED ULTRASONIC WELDING MACHINE.
- 4.INSTALL AUTO AIR BLOW CONTROL BY TIMER.
- 5.WATER WEIGHT MOULD MODIFICATION TO IMPROVE JOINT WALL THICKNESS.

D. TANDA ARAS

THE PROJECT ACHIEVEMENT RESULT IS BENCHMARKED USING THE BAR CHART METHOD BY MONITORING THE PERFORMANCE OF THE PROCESS MONTHLY VERSUS THE TARGETTED PLAN. THE PROJECT IS LAUNCHED WITH THE MISSION OF REDUCING AT LEAST 50% OF ITS INITIAL DEFECTIVE RATIO WHICH IS FROM 0.66% TO 0.33% AND BELOW.

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

IN TERMS OF TANGIBLE BENEFITS, WE MANAGED TO ACHIEVE A GROSS SAVING OF RM 34,268.02 PER YEAR FROM THE REJECTION OF DEFECTIVE AND THE ACCOMPLISHMENT OF THE PROJECT PLAN AND TARGET. FOR INTANGIBLE BENEFITS, WE MANAGED TO IMPROVE THE AWARENESS OF THE MEMBERS TOWARDS THE WORKPLACE AND THEIR SURROUNDING, EXPOSED TO VARIOUS KINDS OF TECHNOLOGY ENHANCEMENT, GENERATED THE THEORETICAL THINKING OF MEMBERS AND TO CULTIVATE THE COURTESY OF THE MEMBERS TOWARDS THE QUALITY IMPROVEMENT.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

PMMA PES INTERNAL QCC CONVENTION - SILVER AWARD WINNER
MPC MINI CONVENTION 2017(TEAM EXCELLENCE)- GOLD AWARD WINNER
MPC MINI CONVENTION 2017 TEN AH -GOLD AWARD WINNER

NAMA KUMPULAN : SPEED RIDER
ORGANISASI : PANASONIC MANUFACTURING MALAYSIA BERHAD
TAJUK PROJEK : TO REDUCE MINAS STATOR OPEN CIRCUIT REJECTION RATE BY 50%
PENJIMATAN PROJEK : RM 48,657.60

A. LATAR BELAKANG PROJEK

THIS PROJECT CONSISTS OF PROCESS DEFECTIVE ANALYSIS AND ITS COUNTERMEASURE TAKEN TO ENSURE THE QUALITY OF PRODUCT ALWAYS ATTAINED. OPEN CIRCUIT HAS BEEN A VERY COMMON PROBLEM IN THE STATOR WINDING PROCESS. THERE ARE MANY FACTORS WHICH CONTRIBUTED TO THIS PROBLEM. IN THIS PROJECT, SEVERAL ANALYSES OF COUNTERMEASURES HAD BEEN CONDUCTED USING THE POCA CYCLE. A QC CIRCLE WHICH CONSISTS OF 12 MEMBERS HAS BEEN FORMED TO TACKLE THIS PROBLEM EFFECTIVELY AND SYSTEMATICALLY WITH QC TOOLS AS THE FUNDAMENTAL OF THIS PROJECT AND THEIR OBJECTIVE IS TO REDUCE STATOR OPEN CIRCUIT THROUGH KAIZEN. THE DURATION OF THE PROJECT WAS FROM AUGUST 2016 TO JANUARY 2017

B. PUNCA UTAMA MASALAH

1. WINDING MACHINE - CAUSE SPOOL COVER NOT EVEN AND WIRE WINDING OVERLAP
2. TRANSFER MACHINE - CAUSED BY SPRING BROKEN AND COMBINE STUCK DUE TO ALIGNMENT OUT..
3. SLOT KEY MACHINE - CAUSED BY GEAR OUT POSITION AND CUTTER CAUSE BURR /SLANTING

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

1. IMPLEMENT PREVENTIVE MAINTENANCE FOR CENTER FORMING BEARING 2X/YEAR
2. MODIFY CENTERING SPOOL GUIDE HOLE AND REPROGRAM WINDING CODE POSITION.
3. CHANGE OF SPRING SIZE DIAMETER AND SETTING AIR PRESSURE SENSOR.
4. IMPLEMENT NEW TRANSFER HEAD DESIGN JIG WITH ADDITIONAL RADIUS ANGEL.
5. IMPLEMENT RADIUS AT HEAD PUSHER SHAFT AND CHANGE BLOCK BASE SPACER SIZE.
6. CHANGE THE TYPE OF CUTTER MATERIAL FOR CUTTER BLOCK.

D. TANDA ARAS

THE PROJECT ACHIEVEMENT RESULT IS BENCHMARKED USING THE BAR CHART METHOD BY MONITORING THE PERFORMANCE OF THE PROCESS MONTHLY VERSUS THE TARGETTED PLAN. THE PROJECT IS LAUNCHED WITH THE MISSION OF REDUCING AT LEAST 50% OF ITS INITIAL DEFECTIVE RATIO WHICH IS FROM 0.38% TO 0.19% AND BELOW.

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

IN TERMS OF TANGIBLE BENEFITS, WE MANAGED TO ACHIEVE A GROSS SAVING OF RM 48,657.60 PER YEAR FROM THE REJECTION OF DEFECTIVE AND THE ACCOMPLISHMENT OF THE PROJECT PLAN AND TARGET. FOR INTANGIBLE BENEFITS, WE MANAGED TO IMPROVE THE AWARENESS OF THE MEMBERS TOWARDS THE WORKPLACE AND THEIR SURROUNDINGS, EXPOSED TO VARIOUS KINDS OF TECHNOLOGY ENHANCEMENT, GENERATED THE THEORETICAL THINKING OF MEMBERS AND TO CULTIVATE THE COURTESY OF THE MEMBERS TOWARDS THE QUALITY IMPROVEMENT.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

PMMA PES INTERNAL QCC CONVENTION - GOLD AWARD WINNER
MPC MINI CONVENTION 2017 (TENGAH) - GOLD AWARD WINNER
MPC MINI CONVENTION 2017 (TENGAH) - BEST OF TEAM EXCELLENT WINNER
CONVENTION WILAYAH 2017 (TENGAH) - GOLD AWARD WINNER

NAMA KUMPULAN : DYNAMIC BALANCER
ORGANISASI : PANASONIC MANUFACTURING MALAYSIA BERHAD (PMMA)
TAJUK PROJEK : TO FORMULATE PROCESS IMPROVEMENT FOR SPINNER BALANCING IN TERM OF QUALITY & TIME LOSS
PENJIMATAN PROJEK : RM 11,030.25

A. LATAR BELAKANG PROJEK

STARTING SEPTEMBER 2015, ADDITIONAL NEW MODEL OF SPINNER JUICER BIG FEEDER (JBF) WAS INTRODUCED INTO SPINNER LINE. IT INCURRED HIGH DEFECTIVE LOSSES AND HIGH TIME LOSS DUE TO FREQUENT MODEL CHANGING. THIS CONTRIBUTED TO SPINNER COMPLETE UNBALANCE CONDITION DURING OPERATION. IT AFFECTED THE PRESENT RUNNING MODEL AS WELL. THE TEAM HAD CARRIED OUT VARIOUS ANALYSIS AND COUNTERMEASURES TO OVERCOME THIS BALANCING OUT ISSUE.

B. PUNCA UTAMA MASALAH

1. LOST TIME FOR MODEL CHANGING WAS HIGH.
2. FREQUENT MODEL CHANGE CAUSED THE MACHINE'S WIRING, SENSOR AND MACHINE COMPONENTS GOT MISALIGNED AND CONTRIBUTED TO SPINNER BALANCING OUT.
3. SPINNER CUTTER REAR SIDE EMBOSING WAS HIGH AND CONTRIBUTED TO SPINNER COMPLETE UNBALANCE CONDITION.
4. VIBRATION FROM RIVETING MACHINE.
5. WRONG DETECTION SIGNAL BY DEFLECTION STATION IN BALANCING MACHINE.
6. NON-HARDEN AND BRITTLE BALANCING JIG'S DIMENSION.

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

1. INSTALLED 10MM STROKE AIR GRIP CHUCK AND IMPLEMENTED ONE TOUCH BUTTON SYSTEM FOR MODEL CHANGING.
2. 0.20MM DIE GRINDING TO REDUCE EMBOSING HEIGHT
3. IMPLEMENTED NYLON HOLDING JIG TO ATTACH AT JIG'S STEEL BASE
4. IMPLEMENTED RING JIG FOR SPINNER CUTTER RIVET CONFIRMATION
5. CHANGED BALANCING JIG'S HOLDER DESIGN AND UPGRADE TO HARDEN MATERIAL

D. TANDA ARAS

PANASONIC APPLIANCES COMPANY STANDARD

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

SPINNER COMPLETE BALANCING OUT REDUCED AS MUCH AS 82% WITHIN 5 MONTHS PERIOD AND ACHIEVED 0.028% ABOVE PROJECT TARGET. TOTAL SAVING PER YEAR IS RM19,346.96 INCLUDING QUALITY SAVING & TIME LOSS SAVING. RETURN OF INVESTMENT IS 0.27 YEARS.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

1. 1ST PLACE OF 1ST PMMA AP QCC PRESENTATION 2017
2. 3 GOLD STAR FOR MPC ICC REGIONAL LEVEL 2017

NAMA KUMPULAN : POLISH
ORGANISASI : UNIVERSITI TEKNIKAL MALAYSIA MELAKA
TAJUK PROJEK : KEGAGALAN MENUTUP KOMPUTER SELEPAS DIGUNAKAN
PENJIMATAN PROJEK :

A. LATAR BELAKANG PROJEK

PROJEK INI MERUPAKAN USAHA SAMA SEMUA AHLI DI DALAM KUMPULAN POLISH UNTUK MENAMBAH BAIK CARA PENGGUNAAN KOMPUTER YANG BERKESAN DI DALAM PERPUSTAKAAN UTEM DI SAMPING DAPAT MENJIMATKAN PENGGUNAAN ELEKTRIK DAN JANGKA HAYAT KOMPUTER.

BERDASARKAN PEMERHATIAN DAN DATA YANG TELAH DIPEROLEHI PADA TAHUN 2016 DIDAPATI KOMPUTER YANG TIDAK DITUTUP SETIAP HARI DI PERPUSTAKAAN ADALAH SEBANYAK 20 KEKERAPAN. RENTETAN DARIPADA ITU SATU KAEDAH PENYELESAIAN YANG KREATIF DAN INOVATIF TELAH DIAMBIL DENGAN PENGGUNAAN SISTEM "S.O.S" (SWITCH OFF SYSTEM) YANG SEDIA ADA PADA MESIN PEMULANGAN LAYAN DIRI (BOOKDROP).

SISTEM INI DIPILIH BERDASARKAN FAKTOR KOS YANG RENDAH, MUDAH DIFAHAMI, SELAMAT DAN STABIL UNTUK DIGUNAKAN. SISTEM INI JUGA TELAH BERJAYA MENCAPAI SASARAN PROJEK IAITU SEBANYAK 100% DAN MENCAPAI PENJIMATAN SEBANYAK RM10, 824.00 SETAHUN.

B. PUNCA UTAMA MASALAH

KOMPUTER PELAJAR YANG TIDAK DITUTUP SELEPAS DIGUNAKAN.
KOMPUTER STAF YANG TIDAK DITUTUP SELEPAS TAMAT WAKTU BERKERJA.

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

KAEDAH PENYELESAIAN YANG KREATIF DAN INOVATIF TELAH DIAMBIL DENGAN PENGGUNAAN SISTEM "S.O.S" (SWITCH OFF SYSTEM) YANG SEDIA ADA PADA MESIN PEMULANGAN LAYAN DIRI (BOOKDROP).

SISTEM INI DIPILIH BERDASARKAN FAKTOR KOS YANG RENDAH, MUDAH DIFAHAMI, SELAMAT DAN STABIL UNTUK DIGUNAKAN. SISTEM INI JUGA TELAH BERJAYA MENCAPAI SASARAN PROJEK IAITU SEBANYAK 100% DAN MENCAPAI PENJIMATAN SEBANYAK RM10, 824.00 SETAHUN.

CONTD.

D. TANDA ARAS

BIL	NAMA UNIVERSITI AWAM	ADA	TIADA	CATATAN
1.	Universiti Utara Malaysia		/	Cyber café pun tak guna – masuk macam tu je.
2.	Universiti Pendidikan Sultan Idris Perak		/	
3.	Universiti Islam Sains Malaysia		/	Cyber cafe guna schedule
4.	Universiti Teknologi Mara Malaysia	/		Untuk cyber café & staf guna – DCCS - dibeli
5.	Universiti Malaysia Terengganu		/	Cyber café ada pakai
6.	Universiti Tun Hussein Onn Malaysia		/	Cyber café ada pakai
7	Universiti Malaysia Perlis		/	
8	Universiti Sultan Zainal Abidin		/	
9	Universiti Malaysia Kelantan		/	
10	Universiti Pertahanan Nasional		/	
11	Universiti Malaysia Pahang		/	
12	Universiti Islam Antarabangsa Malaysia	/		Gunakan software macam cybera, hanya untuk PC pengguna sahaja

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

SECARA KESELURUHANNYA PROJEK INI TELAH BERJAYA MEMBERIKAN IMPAK YANG BESAR DARI SEGI PENJIMATAN KOS TENAGA ELEKTRIK DAN KOS PENYELENGGARAAN KOMPUTER SEKALI GUS MEMANJANGKAN JANGKA HAYAT SESEBUAH KOMPUTER TERSEBUT.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

ANUGERAH PERSEMBAHAN TERBAIK
KONVENSYEN KUMPULAN INOVATIF & KREATIF
PERINGKAT UNIVERSITI TEKNIKAL MALAYSIA, MELAKA KALI KE-3

JOHAN KATEGORI PENGURUSAN
KONVENSYEN KUMPULAN INOVATIF & KREATIF
PERINGKAT UNIVERSITI TEKNIKAL MALAYSIA, MELAKA KALI KE-3

PENARAFAN EMAS
KONVENSYEN TEAM EXCELLENCE WILAYAH TENGAH 2017
PADA 24-25 JULAI 2017 DI PUTRAJAYA INTERNATIONAL CONVENTION CENTRE (PICC)

PENARAFAN PERAK
KONVENSYEN KUMPULAN INOVATIF & KREATIF
PERINGKAT UNIVERSITI AWAM
PADA 1-3 OGOS 2017 DI UNIVERSITI MALAYSIA PERLIS (UNIMAP)



HARI KETIGA

NAMA KUMPULAN : PADAT
ORGANISASI : KULIM (MALAYSIA) BERHAD
TAJUK PROJEK : MENINGKATKAN KUALITI OSMIUM 30 UNTUK MENJIMATKAN MASA BAIKPULIH
AXLE BADANG (MB)
PENJIMATAN PROJEK : RM 115,313.58/SETAHUN

A. LATAR BELAKANG PROJEK

TEMA PROJEK : MENGURANGKAN MASA BAIKPULIH BEARING AXLE BADANG (MB)
MOTTO PROJEK : MEKANISASI KE ARAH KEMODENAN
MEMENUHI SARANAN MISI & VISI SYARIKAT
MEMENUHI SARANAN KPI JABATAN.
MENJAGA IMEJ SYARIKAT

B. PUNCA UTAMA MASALAH

- 1) KUALITI DAN KETAHANAN OSMIUM 30 YANG PERLU DIPERTINGKATKAN.
- 2) MASA BAIKPULIH BEARING AXLE BADANG (MB) SANGAT LAMA.
- 3) PENURUNAN PEROLEHAN DAN PRODUKTIVITI LADANG.

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

- 1) MEMPERTINGKATKAN KUALITU BAHAN YANG DIGUNAKAN PADA 'OSMIUM 30' AGAR LEBIH BAIK.
- 2) PENAMBAHAN REKA BENTUK SUPAYA MESRA PENGGUNA.

D. TANDA ARAS

- 1) KOS BAIKPULIH BADANG DAPAT DIJIMATKAN.
- 2) MASA BAIKPULIH BADANG DAPAT DIPERCEPATKAN.
- 3) PRODAKTIVITI DAN KUALITI BTB MENINGKAT.
- 4) KEUNTUNGAN SYARIKAT BERTERUSAN.

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

- 1) KOS BAIKPULIH BADANG DAPAT DIJIMATKAN.
- 2) MASA BAIKPULIH BADANG DAPAT DIPERCEPATKAN DARI 4 JAM KE 1 JAM.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

- 1) MISI KESINAMBUNGAN BISNES JCORP : INOVASI DAN TANGGUNGJAWAB KORPORAT MAJLIS KUALITI JOHOR CORPORATION PENCAPAIAN :EMAS.
- 2) MPC ICC REGIONAL CONVENTION 2016- SOUTH REGION – KSL HOTEL RESORT
PENCAPAIAN :EMAS
- 1) NATIONAL CONVENTION ON TEAM EXCELLENCE 2016 – PICC, KUALA LUMPUR
PENCAPAIAN :EMAS
- 1) MPC ICC REGIONAL CONVENTION 2017 – SOUTH REGION – RAMADA PLAZA HOTEL,MELAKA
PENCAPAIAN : EMAS

NAMA KUMPULAN : MY INSPIRA
ORGANISASI : PERUSAHAAN OTOMOBIL NASIONAL SDN. BHD.
TAJUK PROJEK : FRONT HOOD CANNOT OPEN MODEL EXORA
PENJIMATAN PROJEK : RM 220,142.44

A. LATAR BELAKANG PROJEK

KUMPULAN TELAH MENCIPTA SPECIAL TOOL YANG DINAMAKAN "HOOD RELEASE TOOL" BAGI MENGATASI MASALAH FRONT HOOD CANNOT OPEN MODEL EXORA, DARI PENGGUNAAN LIFTER KEPADA HOOD RELEASE TOOL UNTUK KERJA-KERJA BAIK PULIH MASALAH. DENGAN TERCIPTANYA ALAT CIPTAAN INI, MASALAH MASA BAIK PULIH DENGAN KOS DOWN TIME YANG TINGGI DAPAT DIATASI.

B. PUNCA UTAMA MASALAH

- HOOD LOCK RELEASE CABLE TIDAK DIPASANG PADA BRACKET, INI DISEBABKAN OLEH BRACKET PADA FRONT END MODULE PATAH.
- HOOD LOCK RELEASE CABLE TIDAK DISAMBUNGAN PADA LATCH ASSY HOOD CABLE.(MISS PROSES)
- LATCH ASSY HOOD CABLE TIDAK DIPASANG PADA BRACKET FRONT END MODULE.(MISS PROSES)

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

TINDAKAN PENAMBAHBAIKAN PERTAMA

- MEMBUAT PENANDAAN (MARKING) PADA BRACKET FRONT END MODULE SEBELUM PEMASANGAN HOOD LOCK RELEASE CABLE.

TINDAKAN PENAMBAHBAIKAN KE DUA

- MEMBUAT PENANDAAN (MARKING) PADA BAHAGIAN PENYAMBUNGAN LATCH ASSY HOOD CABLE SELEPAS PROSES PEMASANGAN.

TINDAKAN PENAMBAHBAIKAN KE TIGA

- MEMBUAT PENANDAAN (MARKING) PADA LATCH ASSY HOOD CABLE SELEPAS PROSES PEMASANGAN.

TINDAKAN PENAMBAHBAIKAN KE EMPAT

- MENGGUNAKAN LIFTER UNTUK BAIK PULIH DEFECT BAGI MENGELAKKAN KESAN SAMPINGAN PADA PEKERJA DAN PIHAK JABATAN.

TINDAKAN PENAMBAHBAIKAN KE LIMA

- MEMBAIK PULIH DEFECT FRONT HOOD CANNOT OPEN DENGAN MENGGUNAKAN HOOD RELEASE TOOL.

D. TANDA ARAS

TANDA ARAS PROJEK KEPADA KPI JABATAN TF MVF PROTON SHAH ALAM

1. MENCAPAI TARGET DPH DI BAWAH 9.0 DPH.
2. MENCAPAI FIRST TIME TRUE MELEBIHI 97 PERATUS.

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

1. MENDAPAT PENGHARGAAN DARI PIHAK JABATAN TRIM & FINAL MVF PROTON SHAH ALAM.
2. HASIL PENCIPTAAN BOLEH DIGUNA PAKAI OLEH SEMUA MODEL KERETA YANG MENGGUNAKAN FRONT HOOD.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

1. ANUGERAH TEMPAT PERTAMA & PERSEMBAHAN TERBAIK DI KONVENSYEN BEST OF THE BEST PROTON EXCELLENCE TEAM 2016/17
2. ANUGERAH SAGUHATI PERTANDINGAN PERINGKAT DRB- HICOM 2016/17.
3. ANUGERAH EMAS PERINGKAT WILAYAH TENGAH 2017.

NAMA KUMPULAN : BENIH
ORGANISASI : KULIM (MALAYSIA) BERHAD
TAJUK PROJEK : MENGATASI MASALAH EFB ELEVATOR KERAP TRIP
PENJIMATAN PROJEK : RM 258,082.00

A. LATAR BELAKANG PROJEK

MASALAH YANG DIALAMI SEMASA KILANG SAWIT PALONG COCOA BEROPERASI ADALAH EFB CONVEYOR KERAP TRIP. TANDAN KOSONG YANG TERHASIL DARI PROSES PENGASINGAN TANDAN DAN BIJI LERAI PERLU DI PERAH KERANA TERDAPAT KANDUNGAN MINYAK DI DALAM TANDAN KOSONG. TANDAN KOSONG AKAN DI HANTAR KE EFB PRESS MELALUI EFB ELEVATOR. SEMASA PROSES BERJALAN, TANDAN KOSONG YANG TELAH DIPERAH AKAN DIHANTAR KE SHREDDING PLANT MELALUI EFB ELEVATOR. LOAD YANG TINGGI DI EFB ELEVATOR MENYEBABKAN EFB ELEVATOR KERAP TRIP.

B. PUNCA UTAMA MASALAH

PUNCA MASALAH ADALAH DISEBABKAN BANYAK TANDAN YANG MELALUI EFB ELEVATOR. SETELAH PROJEK DIJALANAKAN, ANTARA PUNCA MASALAH IALAH TANDAN YANG TERLERAI DAN KERAP TURUN KE DRIVEN SPROKET MENYEBABKAN EFB ELEVATOR KERAP TRIP.

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

CADANGAN PENEYELESAIAN:

1. MENUKAR CONVEYOR BOTTOM CARRY KE TOP CARRY.
2. MENAMBAH SAIZ SPROKET.
3. MENGURANGKAN KECERUNAN CONVEYOR.

D. TANDA ARAS

TANDA ARAS:

1. SUAPAN EFB KE EFB PRESS
2. OIL RECOVERY DARI TANDAN KOSONG (EFB)

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

1. MENGURANGKAN KEKERAPAN EMPTY BUNCH PRESS ELEVATOR KERAP TRIP DARIPADA 128 DALAM TEMPOH 3 BULAN KEPADA SIFAR.
1. MENGURANGKAN KEHILANGAN MINYAK PADA TANDAN DARI 0.33% KEPADA 0.27% DALAM MASA 3 BULAN
2. MENINGKATKAN KADAR PERAHAN MINYAK DARI 19.36% KEPADA 21.56% DALAM MASA 3 BULAN

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

1. NAIB JUARA HARI MEKAR KULIM
2. EMAS MPC WILAYAH SELATAN 2017

NAMA KUMPULAN : CRYOBOND
ORGANISASI : PETRONAS CHEMICALS OLEFINS SDN BHD
TAJUK PROJEK : PROLONGED DURATION FOR LIGHT SEPARATION UNIT START UP
PENJIMATAN PROJEK : RM6.4 MILLION

A. LATAR BELAKANG PROJEK

IN EVERY 2 YEARS (MINIMUM), THERE WILL BE PLANT START UP ACTIVITIES INVOLVING A LOT OF JOBS TO BE PERFORMED. PRIOR TO START UP, SYSTEM 22 IN LIGHT SEPARATION AREA OLEFINS PLANT, CRACKED GAS FROM HYDROGENATION REACTOR MUST CONTAIN LESS THAN 3 PPM OF ACETYLENE BEFORE FOWARDING TO SYSTEM 22. A CERTAIN WAITING PERIOD REQUIRED FOR ACETYLENE BECOME ON SPEC (<3PPM) IN ORDER TO START UP SYSTEM 22 (PRESSURIZING). THIS IS ONE OF NORMAL START UP SEQUENCE.



B. PUNCA UTAMA MASALAH

- NEED TO WAIT FOR ACETYLENE BECOME ON SPEC IN CRACKED GAS
- HIGH POSSIBILITY OF OTHER INTERRUPTION AFTER ACETYLENE ON SPEC DURING SYSTEM 22 START UP, E.G LEAKING OF EQUIPMENT, ETC CAUSING DELAY IN START UP

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

IN ORDER TO OPTIMIZE SYSTEM 22 START UP PERIOD, PRESSURIZING SYSTEM 22 TO BE PERFORMED PARALLEL TO HYDROGENATION REACTOR START UP (ACETYLENE ON SPEC), WITHOUT WAITING FOR ACETYLENE BECOME ON SPEC BY INSTALLING TUBING FROM HP ETHYLENE BLOWBACK.

D. TANDA ARAS

LOCATION	HOW	BENCHMARK DATA	RESULT	JUSTIFICATION
PETRONAS CHEMICALS ETHYLENE (M) SDN BHD 	Phone Call Conversation M Muharir B A Hadi 0179799802	48 HOURS	NA	LUMMUS TECHNOLOGY ❖ Back end Reactor which Cold Boxes located upstream of Reactor. ❖ 48 hrs calculated starting from cold boxes to product on spec which include reactor.
LOTTE CHEMICAL TITAN SDN BHD 	Phone Call Conversation Zaidi B Taib 0177787671	24 HOURS	NA	STONE & WEBSTER TECHNOLOGY ❖ Different schematic process flow. ❖ Different type of reactor which only required 2 hrs for onspec.

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

- SUCCESSFULLY REDUCED START UP DURATION FOR SYSTEM 22 FROM 60 HOURS TO 36 HOURS AND SAVE 24 HOURS IN TA 2015
- IMPROVE PRODUCTION OF ETHYLENE
- ADDITIONAL RM6.4M PROFIT GAINED IN TA 2015
- ENSURING CUSTOMER SATISFACTION BY BEING A RELIABLE SUPPLIER

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

- BRONZE MEDAL IN SPEAKS ACADEMY 2016 (COMPANY LEVEL)
- GOLD MEDAL IN MINI REGIONAL CONVENTION-WILAYAH TIMUR (MPC)
- GOLD MEDAL IN REGIONAL CONVENTION- WILAYAH TENGAH (MPC)

NAMA KUMPULAN : DQ
ORGANISASI : PERUSAHAAN OTOMOBIL PERUSAHAAN OTOMOBIL NASIONAL SDN.BHD (SHAH ALAM , SELANGOR)
TAJUK PROJEK : AIRCOND PIPE CLIP TERTANGGAL (DETACH) DARI STUD DI BAHAGIAN TENGAH UNDER FLOOR .(MODEL : EXORA)
PENJIMATAN PROJEK : RM 629.00 SEBULAN.

A. LATAR BELAKANG PROJEK

MENJALANKAN PROJEK AIRCOND PIPE CLIP TERTANGGAL (DETACH) (BAHAGIAN BAWAH KERETA - UNDERFLOOR) MODEL EXORA .

CLIP YANG TERTANGGAL MENYEBABKAN

- PENGELUARAN TERGANGGU
- PERLU PART GANTIAN
- MASA PROSES REPAIR LAMA (ATAS LIFTER)
- KEPUASAN PELANGGAN AKAN TERJEJAS.

B. PUNCA UTAMA MASALAH

PROSES CARA KERJA - MEMCABUT AIRCOND PIPE CLIP DI BAHAGIAN TENGAH UNDERFLOOR – MODEL EXORA UNTUK MELAKUKAN PROSES ANTI-RUST.

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

MEREKA CIPTA SATU SPECIAL TOOL UNTUK MEMBUKA CLIP TANPA MEROSAKKAN LOCK CLIP. DI BERI NAMA : CLIP RELEASE PLIER (CRP).

D. TANDA ARAS

BENCHMARK PROJEK ADALAH WAX SPRAY BOOTH DAN PROSES KERJA DI PROTON TANJUNG MALIM ANALISA DARI PROTON EDAR TIADA RUNGUTAN DARI PELANGGAN BERKENAAN ISSUE ANTI-RUST UNTUK MODEL YANG DIKELUARKAN DARI KILANG PROTON TANJUNG MALIM.

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

- 1.HASIL PENCIPTAAN YANG MUDAH
- 2.TIDAK MEMERLUKAN KEMAHIRAN YANG TINGGI
- 3.MUDAH DI BAWA DAN MUDAH ALIH.
- 4.TIDAK MEMERLUKAN PENJAGAAN YANG SANGAT RAPI.
- 5.BOLEH DIGUNAKAN OLEH PUSAT SERVIC PROTON EDAR.
- 6.BOLEH DIGUNAKAN UNTUK MEMBUKA TERMINAL BATTERY DAN MENGELUARKAN PIPE BRAKE DARI CLIP.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

1. ANNUAL INNOVATIVE & CREATIVE CIRCLECONVENTION PROTON SDN BHD AMP 2016/17 (FEBRUARI 2017 - TEMPAT KETIGA)
- 2.KONVENSYEN TEAM EXCELLENCE WILAYAH TENGAH (JULAI 2017) - PICC PUTRAJAYA ANUGERAH EMAS.

NAMA KUMPULAN : STEEL-K
ORGANISASI : KULIM (MALAYSIA) BERHAD
TAJUK PROJEK : KEHILANGAN MINYAK YANG TINGGI DI STERILISER
PENJIMATAN PROJEK : RM 20,000.00

A. LATAR BELAKANG PROJEK

STERILISER CONDENSATE ADALAH TEMPAT DIMANA AIR YANG TERMELUWAP DARI STIM SEMASA PROSES PENGKUKUSAN FFB AKAN DI BUANG. AIR YANG TERHASIL AKAN BERCAMPUR DENGAN MINYAK YANG KELUAR DARI FFB DAN INI MENYEBABKAN KEHILANGAN MINYAK. JIKA KEHILANGAN MINYAK INI TINGGI, IANYA AKAN MENGAKIBATKAN PENURUNAN KADAR PERAHAN (OER) KILANG.

SEMASA PROSES PENGKUKUSAN BTB DI STERILIZER, AIR CONDENSATE AKAN TERHASIL DIMANA IA MENGANDUNGI KANDUNGAN MINYAK DIDALAMNYA. AIR CONDENSATE TERSEBUT AKAN DIBUANG MELALUI CONDENSATE PIPE SERTA EXHAUST PIPE YANG BERADA DIBAWAH TANGKI STERILIZER. KEMUDIAN AIR TERSEBUT AKAN DIPAM KE EFFLUENT TREATMENT PLANT. JIKA KANDUNGAN MINYAK TINGGI, KADAR KEHILANGAN MINYAK JUGA AKAN TINGGI DI BAHAGIAN INI.

B. PUNCA UTAMA MASALAH

INI KERANA TERDAPAT MINYAK YANG KELUAR SEMASA PROSES PENGKUKUSAN BTS. MINYAK INI AKAN BERCAMPUR DENGAN AIR CONDENSATE YANG TERHASIL DARI STIM SEMASA PROSES PENGKUKUSAN. BERDASARKAN PERATUS KEHILANGAN MINYAK YANG MELEBIHI 1% DI STERILIZER, KERUGIAN DIANGGARKAN SEBANYAK RM 35,404.

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

MEMBUAT PENGUBAHSUAIAN DENGAN MENGALIHKAN KEDUDUKAN VALVE EXHAUST DARI BAHAGIAN BAWAH KE BAHAGIAN ATAS STERILISER.

D. TANDA ARAS

MENURUNKAN KADAR KEHILANGAN MINYAK DI STESEN STERILISER DARI 1.06% KEPADA 1%.
MENINGKATKAN KADAR PERAHAN MINYAK.
MENURUNKAN KADAR KEHILANGAN MINYAK DARI 1.31% KEPADA 1.25%.
MENURUNKAN TAKAT PELEPASAN BOD DIBAWAH 70MG/L.

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

PENURUNAN KADAR KEHILANGAN MINYAK
PENINGKATAN KADAR PERAHAN MINYAK
PENURUNAN TAKAT PELEPASAN BOD
PERKONGSIAN PROJEK DENGAN KILANG-KILANG KULIM

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

MPC REGIONAL CONVENTION ON TEAM EXCELLENCE 2017 – CENTRAL REGION EMAS

NAMA KUMPULAN : BRILLIANT
ORGANISASI : MOTOSIKAL DAN ENJIN NASIONAL SDN.BHD
TAJUK PROJEK : MENGURANGKAN KOS PENGGUNAAN DIESEL
PENJIMATAN PROJEK : RM 3.6JUTA (SELAMA 10TAHUN)

A. LATAR BELAKANG PROJEK

MENGHENTIKAN OPERASI BOILER DI PAINTING LINE DENGAN MEREKACIPTA MESIN PENYEDUT UNTUK MENGASING MINYAK DENGAN MENGGUNAKAN SISTEM PELAMPUNG,'VACUUM PUMP' ANGIN DAN JUGA MENUKAR BAHAN KIMIA DARI SIFAT PANAS KEPADA SIFAT SEJUK.

B. PUNCA UTAMA MASALAH

SYARIKAT MENANGGUNG PENGUNAAN KOS DIESEL YANG TINGGI

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

PROJEK INOVATIF & KREATIF KUMPULAN IAITU :

- 1.MEREKACIPTA MESIN PENYEDUT UNTUK MENGASING MINYAK
- 2.MENGGUNAKAN SISTEM BERNOULLI (VACUUM PUMP) UNTUK MENYEDUT AIR DI DALAM FUEL TANK

D. TANDA ARAS

PROJEK INOVATIF & KREATIF KUMPULAN:

*VACUUM CLEANER ,HOUSE BOAT DAN BABY FLU VACUUM PUMP.

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

DENGAN MENGHENTIKAN OPERASI BOILER KUMPULAN DAPAT MENJIMATKAN KOS DIESEL DAN MENGURANGKAN PENCEMARAN UDARA.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

JOHAN ICC PERINGKAT MOTOSIKAL DAN ENJIN NASIONAL SDN.BHD.
ANUGERAH EMAS ICC DI PERINGKAT PANTAI TIMUR
LAYAK KE PERINGKAT KEBANGSAAN GENTING HIGHTLAND

NAMA KUMPULAN : ZENDEGI
ORGANISASI : PETRONAS CHEMICALS METHANOL SDN BHD
TAJUK PROJEK : PLANT 1 LOTO MANAGEMENT SYSTEM IS NOT COMPREHENSIVE
PENJIMATAN PROJEK : RM 36,172

A. LATAR BELAKANG PROJEK

1. LOCK OUT TAG OUT (LOTO) IS AN ACTIVITY TO PREVENT ENERGY FROM ACCIDENTALLY BEING RELEASED WHILE A MACHINE OR EQUIPMENT IS BEING WORKED ON.
2. THIS ACTIVITY IS CONDUCTED TO PROTECT THE SAFETY AND HEALTH OF EMPLOYEES.
3. BASED ON MANAGEMENT AUDIT FINDING, LOTO RELATED PROBLEMS HAVE SHOWN INCREASING TREND.
4. THE PROBLEMS ARE:-
 - HIGHER RATE OF MISSING LOTO MATERIALS DUE TO MOBILE STORAGE BOXES
 - POOR NUMBERING SYSTEMS FOR LOTO MATERIALS SUCH AS GROUP LOCKS, ODL, STORAGE BOXES AND LOTO BOXES.
 - LOTO MATERIALS WERE NOT ORGANIZED DUE TO THEY WERE KEPT AT DIFFERENT PLACES.
 - LOTO WORK PROCESS WERE COMPLICATED.
 - HIGHER NC CASES FOR ENERGY ISOLATION
5. ZENDEGI TEAM IS FORMED TO ADDRESS THIS MATTER UNDER A PROJECT WHICH IS CALLED "PLANT 1 LOTO MANAGEMENT SYSTEM IS NOT COMPREHENSIVE".

B. PUNCA UTAMA MASALAH

1. LACK OF UNDERSTANDING ABOUT LOTO.
2. POOR NUMBERING SYSTEMS.
3. LOTO MONITORING NOT EFFECTIVE.
4. LIMITED SPACE AT CCR.
5. MATERIAL KEPT AT DIFFERENT PLACES.
6. MORE LOTO MATERIALS WERE NEEDED.
7. MOBILE STORAGE BOX

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

1. TO INSTALL FIXED CABINET FOR GROUP LOCKS AND DEPARTMENT LOCKS.
2. TO DESIGN A NEW LOTO BOX.
3. TO ESTABLISH A NEW CENTRALIZED LOTO STATION.
4. TO CREATE A MORE TRANSPARENT TRACKING SYSTEM.
5. TO RELOCATE EMERGENCY RESPONSE TEAM (ERT) EQUIPMENT TO OTHER AREA.
6. TO DO HOUSEKEEPING AND DISPOSE UNUSED ITEMS.
7. TO DO RENOVATION FOR MORE SPACE.

D. TANDA ARAS

PROJECT TARGET 1: TO REDUCE MANHOURS SPENT PER LOTO ACIVITY BY 50%.
PROJECT TARGET 2: TO REDUCE MISSING LOTO MATERIAL CASES PER MONTH BY 90%.

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

1. MANHOURS SPENT PER LOTO ACIVITY REDUCED BY 50%.
2. MISSING LOTO MATERIAL CASES PER MONTH REDUCED BY 90%.
3. NET ANNUAL SAVING GENERATED IS RM 36,172

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

1. CERTIFICATE OF RECOGNITION FROM PC METHANOL CEO ON PROJECT COMPLETION.
2. AWARDED AS CHAMPION FOR 2016 PC METHANOL ICC COMPETITION.
3. RECEIVED FOCUSED RECOGNITION CARD FROM HEAD OF PRODUCTION (PLANT 1) DEPARTMENT.
4. AWARDED GOLD CERTIFICATE AT MINI ICC CONVENTION WILAYAH SABAH 2017
5. AWARDED GOLD CERTIFICATE AT REGIONAL ICC CONVENTION WILAYAH SABAH & SARAWAK 2017

NAMA KUMPULAN : KUMPULAN ALPHA
ORGANISASI : BI TECHNOLOGIES CORPORATION SDN BHD
TAJUK PROJEK : KEYSIGHT: BOBBIN BASE LINE RE-LAYOUT
PENJIMATAN PROJEK : USD 2,000

A. LATAR BELAKANG PROJEK

PENGUBAHSUAIAN SUSUN-ATUR BAHAGIAN PENGELUARAN UNTUK MENGURANGKAN PEMBAZIRAN. TUJUAN PROJEK ADALAH UNTUK MENINGKATKAN PRODUKTIVITI PRODUK BERASASKAN 'BOBBIN'. PELANGGAN PRODUK-PRODUK YANG DIHASILKAN INI ADALAH KEYSIGHT TECHNOLOGIES (SEBELUM INI DIKENALI SEBAGAI AGILENT TECHNOLOGIES) YANG BERPANGKALAN DI AMERIKA SYARIKAT. SECARA AMNYA, PRODUK BERASASKAN 'BOBBIN' TERDIRI DARIPADA PELBAGAI JENIS MODEL DENGAN JUMLAH PENGELUARAN KECIL. OLEH ITU, PEMBAZIRAN (PERGERAKAN) AKAN MEMBERI IMPAK YANG BESAR TERHADAP PRODUKTIVITI. PROSES UTAMA PRODUK BERASASKAN 'BOBBIN' ADALAH 'WINDING' DAN 'SOLDERING', DITAMBAH DENGAN PROSES-PROSES SOKONGAN YANG LAIN.

B. PUNCA UTAMA MASALAH

JARAK DI ANTARA STESYEN YANG JAUH, RUANG BEKERJA YANG SEMPIT. PENYUMBANG KEPADA PEMBAZIRAN (PERGERAKAN) & KETIDAKSELESAAN BEKERJA.

C. CADANGAN PENYELESAIAN INOVATIF & KREATIF

MEMBINA 'CELL LINE' UNTUK MENGGANTIKAN 'CONVEYOR LINE (STRAIGHT FLOW)'. SUSUN-ATUR BERDASARKAN 'CELL LINE' DAPAT MENGURANGKAN JARAK DI ANTARA STESYEN PEMASANGAN DAN STESYEN-STESYEN SOKONGAN YANG LAIN. PADA MASA YANG SAMA, PENGGUNAAN RUANG DAPAT DIGUNAPAKAI UNTUK MENAMBAH KESELESAAN STESYEN KERJA & AKTIVITI BERKAITAN 5S.

D. TANDA ARAS

BERDASARKAN PURATA PRESTASI PRODUKTIVITI SEBELUM PENAMBAHBAIKAN IAITU 68%.

E. PENCAPAIAN PROJEK & PENCIPTAAN NILAI

PENINGKATAN PRODUKTIVITI KEPADA 85% & PENAMBAHBAIKAN KECEKAPAN OPERASI.

F. ANUGERAH, PENGHARGAAN & PENGIKTIRAFAN

TEMPAT PERTAMA PERTANDINGAN ICC PERINGKAT TT ELECTRONICS KUANTAN BAGI EDISI KE-11 PADA BULAN FEBRUARI 2017.

ANUGERAH EMAS DI KONVENSYEN WILAYAH TEAM EXCELLENCE YANG BERTEMPAT DI KUALA TERENGGANU.