

MENINGKATKAN EFISIENSI COST MELALUI OPTIMASI FILLRATE PENGIRIMAN REGULAR DALAM KOTA UNDER DEPO TABANAN



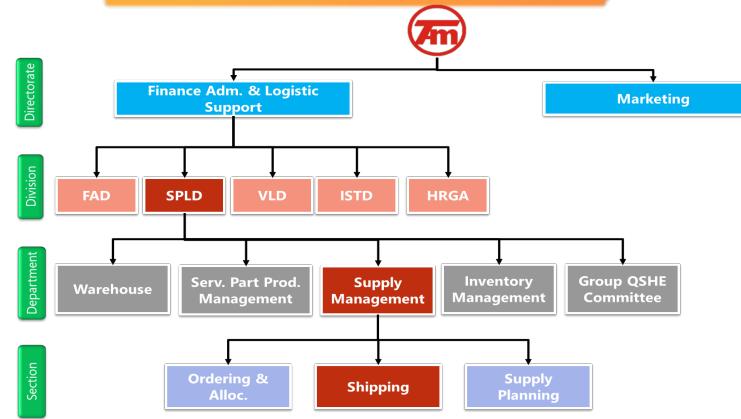
**SOPIAN RIADY
TAM SPLD**

1. PENGENALAN AREA KERJA

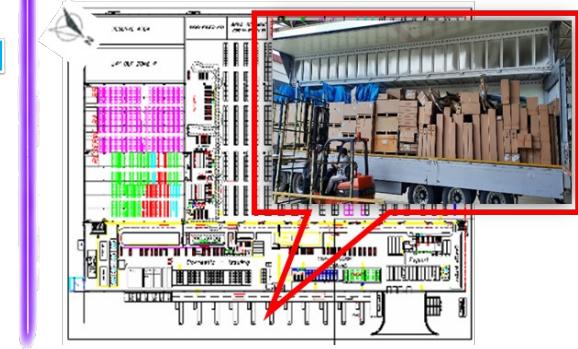
PT. TAM



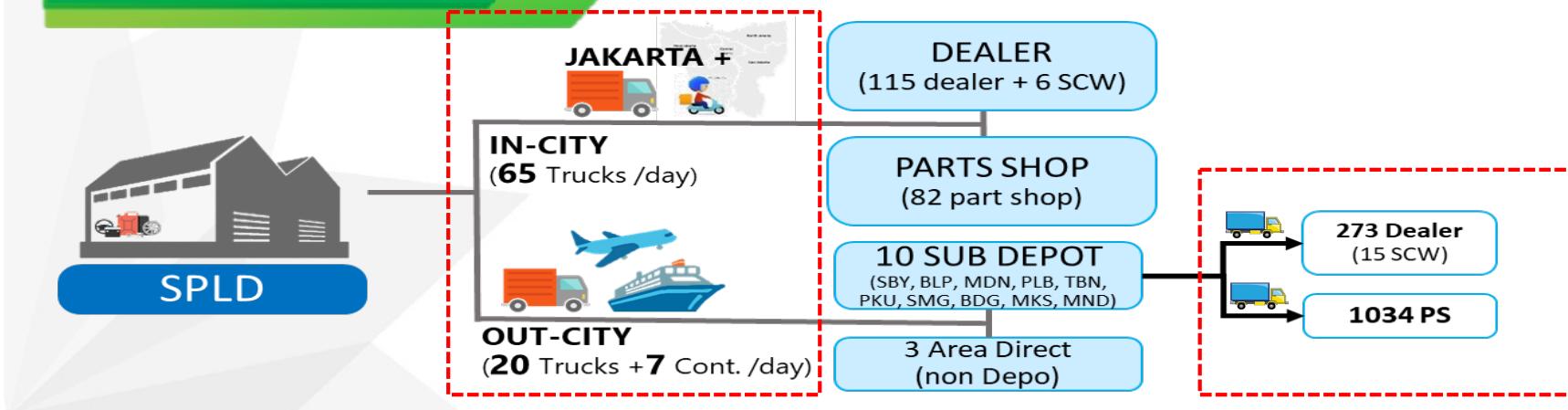
SERVICE PARTS LOG. DIV.



SHIPPING SECTION



SCOPE

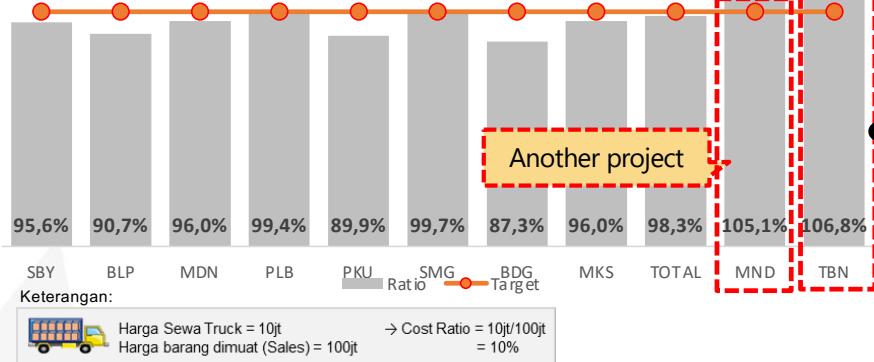


1. BACKGROUND

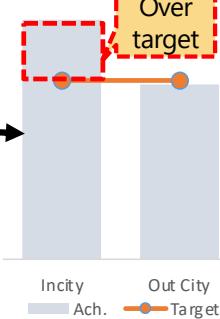


COST

Delivery Cost Ratio Sub Depo Januari 2023



Cost Ratio TBN by area



Skema Cost In City



TEMA :
MENINGKATKAN EFISIENSI COST MELALUI OPTIMASI FILLRATE PENGIRIMAN REGULAR DALAM KOTA UNDER DEPO TABANAN

HOSIN



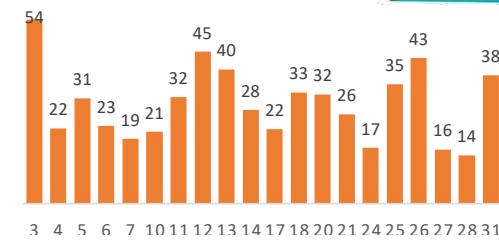
Producing Happiness for All through Excellent "Service Parts" Supply with **Most Competitive Cost**

1. TOYOTA ENVIRONMENT CHALLENGE 2050
"Logistic CO2 Reduction"

2. SPLD Hosin 2023 "Cost Optimization"

- c. Shortest-Path Cheapest-Route Kaizen
- Staggered Delivery Review
 - Remapping Shortest Delivery Route
- (BDG to Ckrq, Krw) (CPD to Crb, Kuningan, Indramayu)
3. SM Dept. Action Plan 2023
"Shortest – Route Kaizen : Staggered Delivery Review"

CHALLENGE



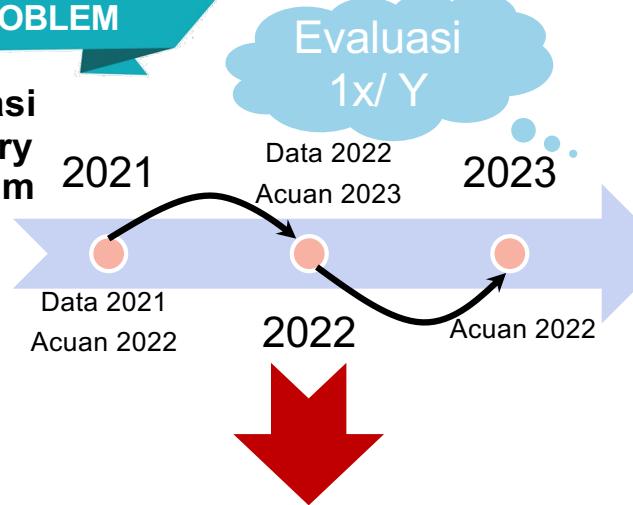
Fluktuasi volume harian bulan Januari 2023

Free Forecast

2. ANALISA (PENENTUAN JUMLAH TRUK)

PROBLEM

Evaluasi
Delivery
Diagram



Volume 2022 vs
Jan, Feb 2023

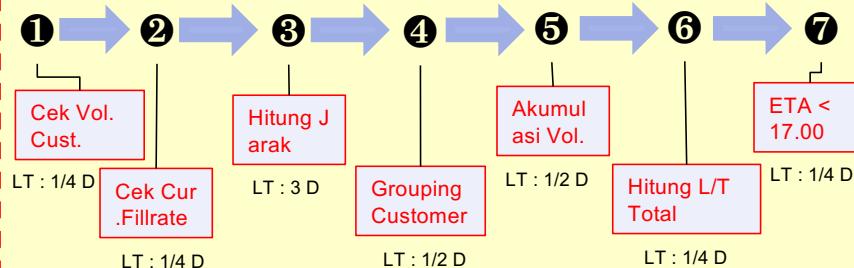
B'dasarkan data
2022, setting truk
di 2023 : 7 truk

High fillrate :
70% – 90%
Low fillrate : < 65%

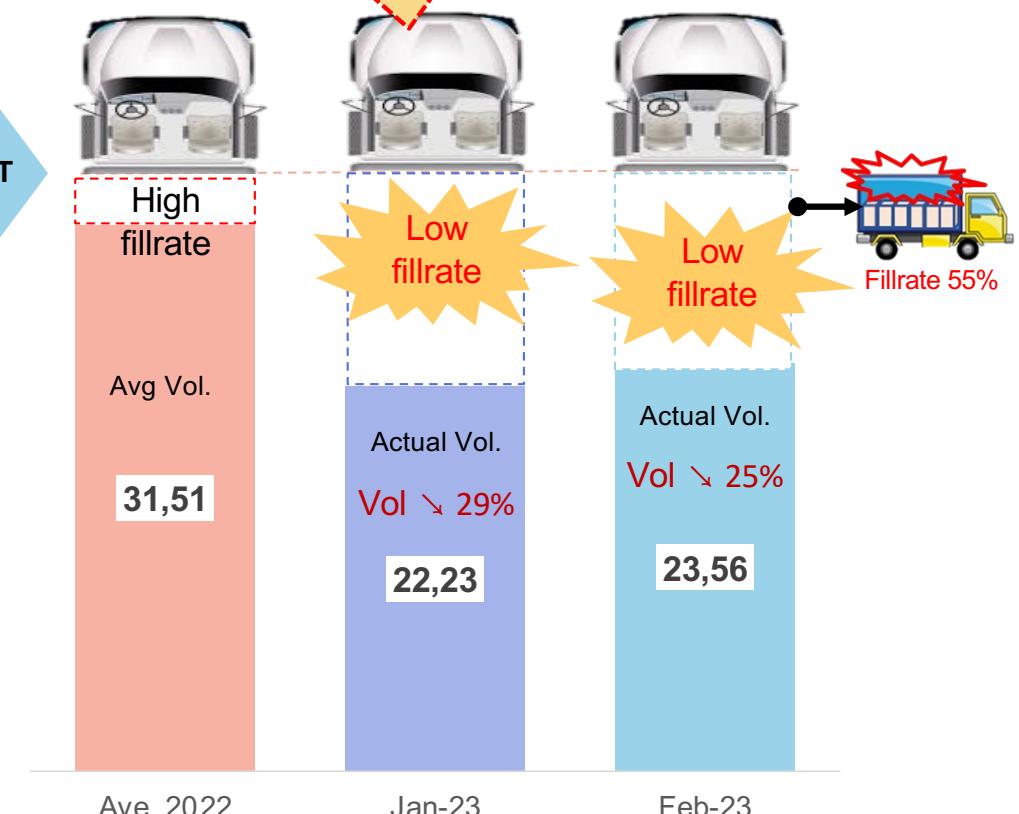


IMPACT

Tahapan Evaluasi Delivery Diagram

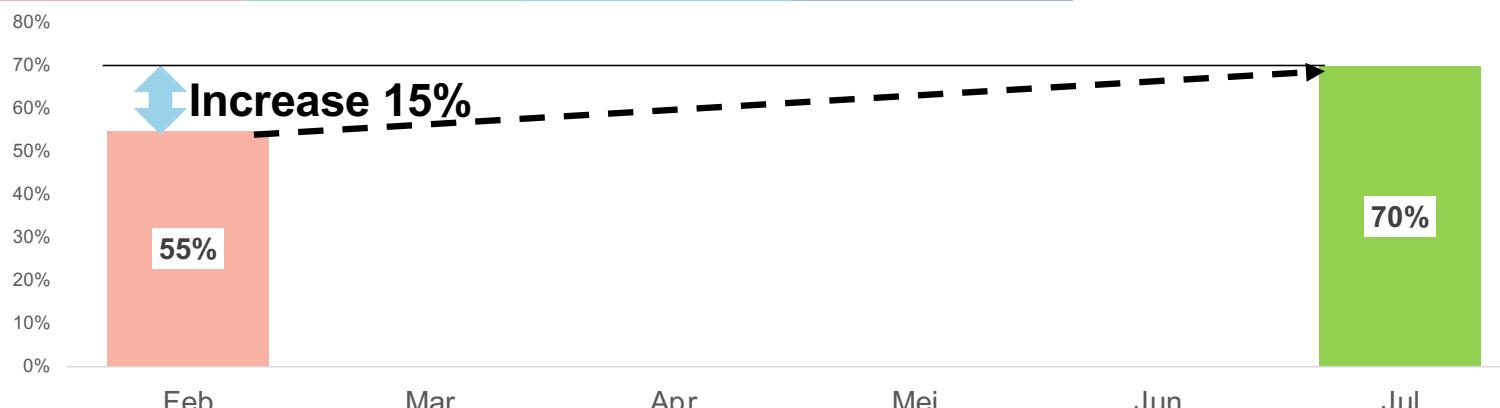


Semua tahapan dilakukan manual (L/T lama) : 5 D

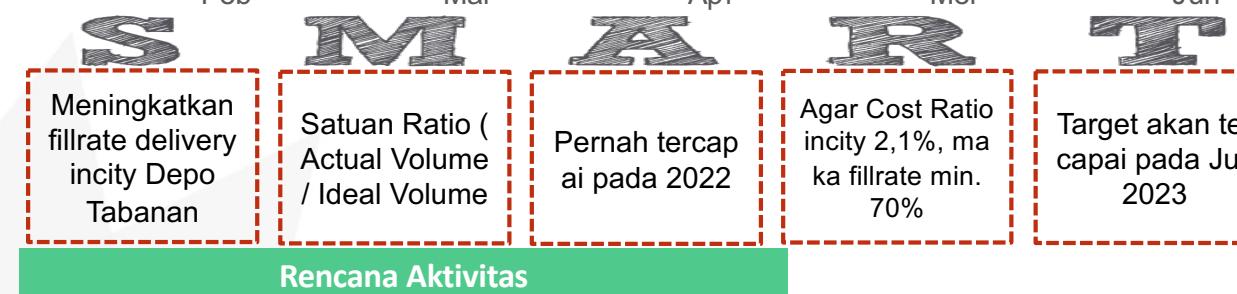


PROBLEM : Ave. Volume tahun lalu
dijadikan data acuan tahun berikut nya

3. TARGET



TARGET: "Menin
gkatkan Fillrate 1
ncity Depo dari 5
5% ke
70%"



Rencana Aktivitas

NO	ITEM	MAR '23				APR '23				MAY '23				JUN '23				JUL '23				EVA
		I	II	III	IV																	
1	Study Current Condition																					O
2	Investigasi																					O
3	Penetapan Target																					O
4	Rencana Penanggulangan																					O
5	Koordinasi Pihak Terkait																					O
6	Penanggulangan																					O
7	Evaluasi Hasil																					O
8	Standarisasi & Tindak Lanjut																					O

Libur Lebaran

Meeting Koordinasi dengan atasan



Meeting dengan Pihak Depo TBN



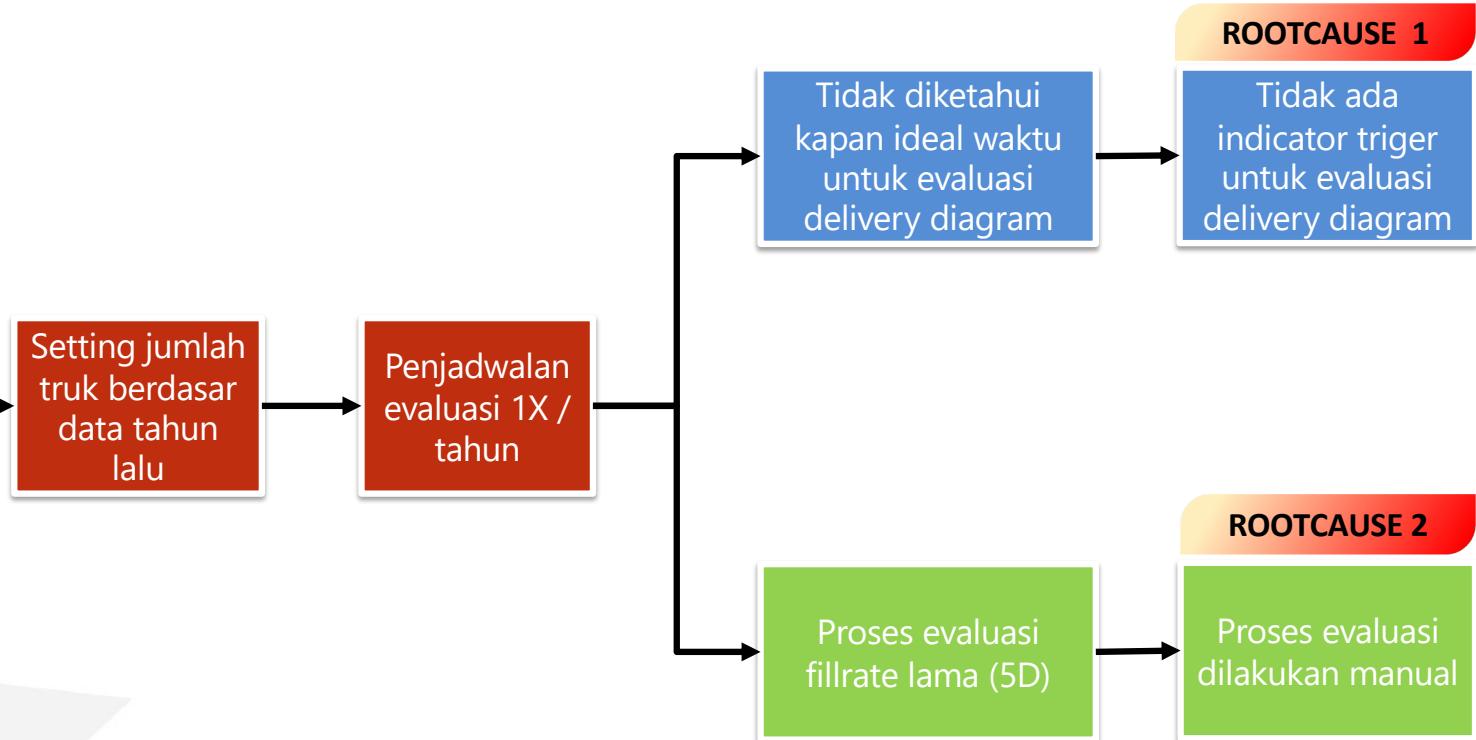
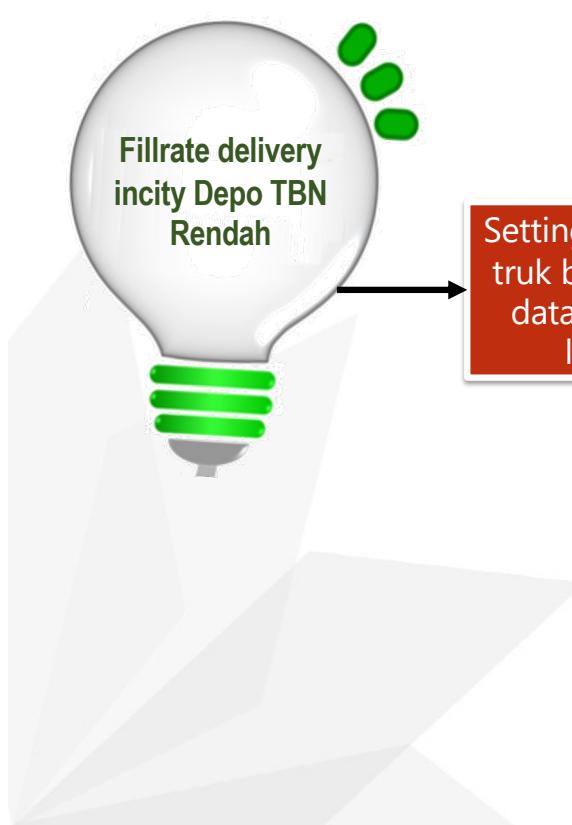
Item Pembahasan :

1. Konsultasi aktivitas & saran
2. C/Measure
3. Fixasi ide
4. Planning Trial, Evaluasi dan Implementasi

Item Pembahasan :

1. Rootcause
2. C/Measure
3. Timing Trial, Evaluasi
4. Implementasi

4. ROOTCAUSE ANALISIS



5. RENCANA PENANGGULANGAN



PROBLEM 1

Problem	
	Tidak diketahui ideal waktu evaluasi diagram delivery

Implementasi : 1. Sulit impl., 2. Bisa diimplement. 3. Mudah diimpl.
L/T : 1. > 2 jbulan 2. 1-2 bulan 3. < 1 Bulan
Quality : 1. update data tahunan 2. Update data 6 bulanan 3. Update data harian

ALT.	IDE	ILUSTRASI	Quality	Implementasi	L/T	TOTAL	EVAL.
1	Evaluasi fillrate semesterly		2	2	3	7	X
2	Tools base on history, judgment base on trend		3	3	3	9	O

INSPIRASI

Display ketersediaan parkir di rest area

PROBLEM 2

Problem	
	LT Evaluasi fillrate lama

Implementasi : 1. Sulit Impl., 2. Bisa diimplement. 3. Mudah diimpl.
Cost : 1. >Rp. 500.000 2. Rp.100.000 – Rp. 500.000 3. < Rp. 100.000

ALT.	IDE	ILUSTRASI	Cost	Implementasi	L/T	TOTAL	EVAL.
1	Menambah MP untuk menjalankan proses		1	1	1	3	X
2	Menambahkan MH (overtime) untuk menjalankan proses		1	1	3	5	X
3	Develop Automatic tools		3	3	3	9	O

INSPIRASI

Suggest rute terpendek di google map



6. PENANGGULANGAN

PROBLEM 1

Problem

Tidak diketahui ideal waktu evaluasi diagram delivery

Tim Partner SM Dpt : Pak Lucky R.

Sopian : Pak Lucky, say a ingin update data fillrate harian, file apa saja yang diperlukan ?

Lucky : TB_R_Sum_Shipping_Cost



Develop tools untuk mendekripsi timing evaluasi fillrate

SD DELIVERY FILL RATE MONITORING (IN CITY) - JULY 2023

Area	YTD	REMARKS											
		01 JAN	02 FEB	03 MAR	04 APR	05 MAY	06 JUN	07 JUL	08 AUG	09 SEP	10 OCT	11 NOV	12 DEC
In City	3,705.4	489	427	359	401	581	573	628	-	-	-	-	-
70.0%	Cap	5,806	828	777	642	630	882	888	750	-	-	-	-
	Ratio	63.8%	53.1%	65.0%	56.0%	58.1%	65.9%	64.5%	70%	0%	0%	0%	0%
	Target	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%
BU1	6.8	2.4	4.3	-	-	-	-	-	-	-	-	-	-
70.0%	Cap	810	42.0	39.0	-	-	-	-	-	-	-	-	-
	Ratio	82%	82%	78%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	Target	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%
DK1	389.7	52.2	51.3	46.8	62.7	57.0	61.1	58.8	-	-	-	-	-
70.0%	Cap	966.0	144.0	114.0	132.0	144.0	144.0	156.0	132.0	-	-	-	-
	Ratio	40%	38%	45%	38%	44%	40%	39%	45%	-	-	-	-
	Target	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%
DK2	566.8	88.5	78.7	55.8	75.1	103.6	82.2	83.1	-	-	-	-	-
70.0%	Cap	840.0	120.0	114.0	96.0	120.0	150.0	126.0	114.0	-	-	-	-
	Ratio	67%	74%	69%	59%	63%	69%	65%	67%	-	-	-	-
	Target	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%
DK3	693.8	85.7	78.2	62.2	81.5	109.6	104.7	87.3	-	-	-	-	-
70.0%	Cap	840.0	120.0	114.0	102.0	128.0	138.0	132.0	108.0	-	-	-	-
	Ratio	73%	71%	69%	61%	69%	79%	79%	78%	-	-	-	-
	Target	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%
DK4	468.5	74.9	48.6	36.4	49.3	75.2	74.5	103.6	-	-	-	-	-
70.0%	Cap	960.0	138.0	126.0	96.0	102.0	150.0	156.0	192.0	-	-	-	-
	Ratio	49%	54%	39%	39%	49%	50%	48%	59%	-	-	-	-
	Target	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%
DK5	374.5	127.6	118.2	127.5	86.3	168.8	177.7	168.4	-	-	-	-	-
70.0%	Cap	1,074.0	144.0	150.0	132.0	114.0	174.0	186.0	174.0	-	-	-	-
	Ratio	31%	33%	73%	57%	76%	57%	56%	37%	-	-	-	-
	Target	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%
DK6	342.9	57.7	48.0	30.7	46.4	66.8	72.8	20.6	-	-	-	-	-
70.0%	Cap	636.0	120.0	120.0	84.0	84.0	126.0	132.0	30.0	-	-	-	-
	Ratio	49%	48%	40%	37%	59%	53%	56%	69%	-	-	-	-

Countermeasure

Tools deteksi review stagger

HASIL

1. Tools bisa dirunning kapan saja
2. Tersedia data fillrate di setiap bulannya
3. Tersedia daily fillrate di bulan berjalan
4. Tersedia indicator kapan harus dievaluasi

Fillrate Achievement

65%

55%

Before

After

6. PENANGGULANGAN

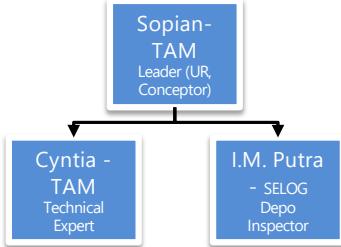


PROBLEM 2

Task Force

Problem

LT Review Stagger
Manual lama & sulit



Sopian : Bu Cyntia,
saya mau develop
automatic tools unt
uk evaluasi diagram
delivery, rekom dari
Ibu apa ya..?
Cyntia : VRP phyton,
via konsultan, da
n worksheet Pak



Cost : 1. >Rp. 500.000 2. Rp.100.000 – Rp. 500.000 3. < Rp. 100.000

Implementasi : 1. Sulit Impl., 2. Bisa diimplement. 3. Mudah diimpl.

L/T : 1. > 2 jbulan 2. 1-2 bulan 3. < 1 Bulan

AL T.	IDE	Cost	Implementasi	L/T	TOTAL	EVAL.
1	Autostagger via phyton	2	1	1	4	X
2	Autostagger via konsultan	1	2	1	4	X
3	Autostagger via VRP Worksheet	3	3	3	9	O

Countermeasure

Develop automatic tools

Input data

Locations	Number of locations	5	[2,20]
	Drop Delivery?	Deliver	
Distances	Distance / location composition	Bing Maps	The distance is taken for Geographic Approximation and Bing Maps
	Bing Map route type	Selected	Recommendation use Fastest
	Average vehicle speed	70	Not used for the Bing Map option
Vehicles	Number of vehicle types	1	Inhomogeneous VRP if greater than 1
	Depot		
Solution	All vehicles must be used?	No	Flexible fleet / fleet min 1 No
	Vehicle must return to the depots	Open VRP / return	
	Time window type	Hard	
	Work start time	00:00:00	
	Driving time limit	00:00	
	Working time limit	00:00	
	Distance limit	500	Positive
Optional - Visualization background	Bing Maps		
	Location labels	Location IDs	
Editor	Work start?	Yes	Recommendation At least 60 seconds
	UV time limit (seconds)	8	
	UV minimum removal rate	0%	3%, 5%
	UV maximum removal rate	4%	3%, 5%
	UV candidate list size	0	1, 5
	Random number seed	123456789	123456789

Hitung jarak : otomatis dan cepat

Hasil running VRP, route terpendek

From	To	Distance	Duration	!	Stop on location name	Distance	Delivered	Driving time	Arrival	Departure	Working time	Stop on location name	Distance	Delivered	Driving time	Arrival	Departure	Working time
Depot	PT ASTRIDO JAYA MOBILINDO	23,81	0:48		0 Depot	0,00	0	0:00	08:00	08:00	0:00	0 Depot	0,00	0	0:00	08:00	08:00	0:00
Depot	BAU MOTOR	26,61	0:54		1 PT ASTRIDO JAYA MOBILINDO	23,81	0,299932	0:48	08:48	08:48	0:00	1 CV. PARAMITA	23,77	0,133395	0:48	08:48	08:48	0:00
Depot	UD.WISMA MOTOR	28,96	0:59		2 PT. SUKSES BER	23,81	0,030303	0:49	08:48	08:48	0:00	2 MADE SURIAH	27,78	0,095974	0:59	08:59	08:59	0:00
Depot	EKA JAYA MOTOR	27,37	0:56		3 ADI JAVA MOTO	25,06	1,087781	0:51	08:51	08:51	0:51	3 BALI MOTOR	26,41	0,4945	1:00	09:00	09:00	1:00
Depot	KIAN JAYA	27,37	0:56		4 CV. JAYA MOTO	26,71	1,137519	1:00	09:00	09:00	1:00	4 UD.INSIMA MOTO	32,37	0,408619	1:00	09:08	09:08	1:00
Depot	KING MOTOR	29,87	0:56		5 TOKO PUSAKA	25,97	1,70676	1:04	09:04	09:04	1:04	5 BUA JAYA MOTO	30,31	0,436946	1:20	09:20	09:20	1:20
Depot	MADE GUARDANA	25,96	0:53		6 LIA KAT	30,19	2,067673	1:05	09:05	09:05	1:05	6 KUA JAYA	30,30	0,648654	1:20	09:20	09:20	1:20
Depot	JAYA RAYA MOTOR	25,83	0:48		7 PT PARAMITA	31,95	2,135975	1:09	09:09	09:09	1:09	7 KING MOTOR	42,70	0,231712	1:33	09:33	09:33	1:33
Depot	HADI	28,63	0:54		8 PT. PERMATA	31,95	2,308954	1:09	09:09	09:09	1:09	8 MAU JAYA MOTO	42,70	0,698073	1:33	09:33	09:33	1:33
Depot	CV. JAYA MOTOR PARTS	26,66	0:49		9 SUKARTA INFO	34,18	2,412126	1:14	09:14	09:14	1:14	9 HAID	45,72	0,570465	1:39	09:39	09:39	1:39
Depot	RAYA PRIMA MOTOR	26,23	0:48		10 ADI BBB	34,65	2,621227	1:27	09:27	09:27	1:27	10 BINX MOTOR	46,83	2,703116	1:42	09:42	09:42	1:42
MAJU JAYA MOTOR	Depot	29,80	0:57		11 MUJI MOTOR	30,19	3,020345	1:29	09:29	09:29	1:29	11 BAVA PRIMA MOTO	47,74	2,875385	1:44	09:44	09:44	1:44
MAJU JAYA MOTOR	MAJU JAYA MOTOR	0,00	0:00		12 JAYA BAYA MOT	40,02	2,989732	1:45	09:45	09:45	1:45	12 JAYA BAYA MOT	50,68	2,991277	1:52	09:52	09:52	1:52
MAJU JAYA MOTOR	PT PARAMITA AUTO GRAHA	8,18	0:19		13 MARGA SAKTI	50,68	2,991277	1:52	09:52	09:52	1:52	13 GDE KOMANG	52,59	3,003583	1:56	09:56	09:56	1:56
MAJU JAYA MOTOR	PT. PERMATA AUTO GALLERY	8,18	0:19		14 GDE KOMANG'S													
MAJU JAYA MOTOR	CV. PARAMITHA AUTO GRAHA	8,03	0:20															
MAJU JAYA MOTOR	SUKARTA NYOMAN	9,02	0:22															
MAJU JAYA MOTOR	LAI KIAT	6,41	0:14															
MAJU JAYA MOTOR	TOKO PUSAKA JAYA	6,63	0:16															
MAJU JAYA MOTOR	MARGA SAKTI	7,85	0:18															
MAJU JAYA MOTOR	AUTO 88	5,32	0:13															
MAJU JAYA MOTOR	MUJI MOTOR	5,69	0:13															
MAJU JAYA MOTOR	GDE KOMANG SUGHARTA	8,36	0:18															
MAJU JAYA MOTOR	ADI JAYA MOTOR	7,13	0:15															
MAJU JAYA MOTOR	BINK MOTOR	4,08	0:09															
MAJU JAYA MOTOR	PT. SUKSES BERSAMA MOTOR	7,54	0:17															

HASIL

time	Demand
0:00	0
0:15	0,34867

Tools kurang praktis, masih ada proses manual input volume





6. PENANGGULANGAN - PDCA

PROBLEM 2

Problem	
Service time	Demand
0:00	0
0:15	0,34867



ROOTCAUSE 1

Countermeasure				
data Jan 23	DESTINATION_CODE	C.Code	C.Name	Daily Volume
	14.72.16001	TSO DENP	0,736	
	3200100	PT. AGUN	0,8795	
	3200200	PT. AGUN	0,7725	
	1600200	TSO SANU	0,5125	
	1600300	TSO SANU	1,9025	
	1600400	TSO TABA	0,455	
	1601100	TSO GIAN	0,4855	
	3200300	PT. AGUN	0,309	
	3200400	PT. AGUN	1,946	
	3200500	PT. AGUN	0,406	
	160C900	TOKO RUS	0,874	
	160CY00	MAIJU JAY	0,2375	
	3200B00	LAI KIAT	0,311	
	160CJ00	BINK MOT	3,94	
	160CX00	7,18.1600X ADI JAYA I	0,359	
	3200A00	30,87.3200 PT. SUKSE	1,5435	
	160CB00	4,53.1600B JAYA RAY	0,2265	
	160CE00	6,99.1600E RAYA PRIN	0,3495	
	160CK00	0,11.1600K	0,0055	
	3200G00	11,9.3200G HADI	0,595	
	3200X00	0,84.3200X GDE KOM	0,042	
	160DM00	1,11.1600M	0,0555	
	3200F00	5,26.3200F	0,263	
	3200R00	0,18.3200R	0,009	
	3201N00	18,48.3201N	0,924	

Insert query volume
di VRP worksheet

Planning

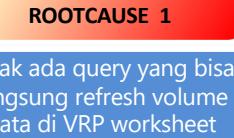
Insert query
volume di
file VRP
Worksheet

Penanggulangan

data Jan 23	DESTINATION_CODE	C.Code	C.Name	Daily Volume
	14.72.16001	TSO DENP	0,736	
	3200100	PT. AGUN	0,8795	
	3200200	PT. AGUN	0,7725	
	1600200	TSO SANU	0,5125	
	1600300	TSO SANU	1,9025	
	1600400	TSO TABA	0,455	
	1601100	TSO GIAN	0,4855	
	3200300	PT. AGUN	0,309	
	3200400	PT. AGUN	1,946	
	3200500	PT. AGUN	0,406	
	160C900	TOKO RUS	0,874	
	160CY00	MAIJU JAY	0,2375	
	3200B00	LAI KIAT	0,311	
	160CJ00	BINK MOT	3,94	
	160CX00	7,18.1600X ADI JAYA I	0,359	
	3200A00	30,87.3200 PT. SUKSE	1,5435	
	160CB00	4,53.1600B JAYA RAY	0,2265	
	160CE00	6,99.1600E RAYA PRIN	0,3495	
	160CK00	0,11.1600K	0,0055	
	3200G00	11,9.3200G HADI	0,595	
	3200X00	0,84.3200X GDE KOM	0,042	
	160DM00	1,11.1600M	0,0555	
	3200F00	5,26.3200F	0,263	
	3200R00	0,18.3200R	0,009	
	3201N00	18,48.3201N	0,924	

Query volume sudah masuk ke dalam VRP worksheet

LT running aplikasi = 30 menit



ROOTCAUSE 1

Tidak ada query yang bisa langsung refresh volume data di VRP worksheet

HASIL

Fillrate Achievement

Location ID	Name	Address	Latitude	Longitude	Time window start	Time window end	Must be visited?	Service time	Demand	Profit
0	Depot	JL. DENP	-6,54486804	115,0788880	00:00	23:59	Starting location	0:00	0	0
1	MAIJU JAYA JLN BY PA	4,6721773	115,2355510	00:00	23:59	Must be visited	0:15	0:279	0	0
2	LAI KIAT	3,1415926	115,2355510	00:00	23:59	Must be visited	0:15	0:231	0	0
3	TOKO RUSA JLN. COKH	-6,4170210	115,2079700	00:00	23:59	Must be visited	0:15	0:474	0	0
4	MARGA SAKT JLN. KAYA	-6,4496232	115,1857467	00:00	23:59	Must be visited	0:15	0:005	0	0
5	AUTO BIKE JLN. GATS	-6,4389103	115,1594043	00:00	23:59	Must be visited	0:15	0:05	0	0
6	BEKU KOMBI JLN. GATS	-6,4388380	115,1594043	00:00	23:59	Must be visited	0:15	0:298	0	0
7	BAKU KOMBI JLN. PADA	-6,4375940	115,1594043	00:00	23:59	Must be visited	0:15	0:042	0	0
8	BAKU MOTOR JLN. PADA	-6,4375940	115,1594043	00:00	23:59	Must be visited	0:15	0:279	0	0
9	BAKU MOTOR JLN. GUNI	-6,4582093	115,1594043	00:00	23:59	Must be visited	0:15	1,54	0	0
10	PT. SUKSES BIA. Maher	-6,4655940	115,1868115	00:00	23:59	Must be visited	0:15	1,5435	0	0
11	PT ASTRIDO JLN. BATU 1	-6,4672250	115,1893176	00:00	23:59	Must be visited	0:15	0,322	0	0
12	BAKU MOTOR JLN. MAM	-6,4697237	115,1906278	00:00	23:59	Must be visited	0:15	0,295	0	0
13	BAKU MOTOR JLN. DPKA	-6,4720418	115,1909063	00:00	23:59	Must be visited	0:15	0,044	0	0
14	BAKU MOTOR JLN. DPKA	-6,4720418	115,1909063	00:00	23:59	Must be visited	0:15	0,255	0	0

Service time	Demand	Profit
0:00	0	0
0:15	0,2375	0
0:15	0,046	0

Data Volume / Demand terisi otomatis

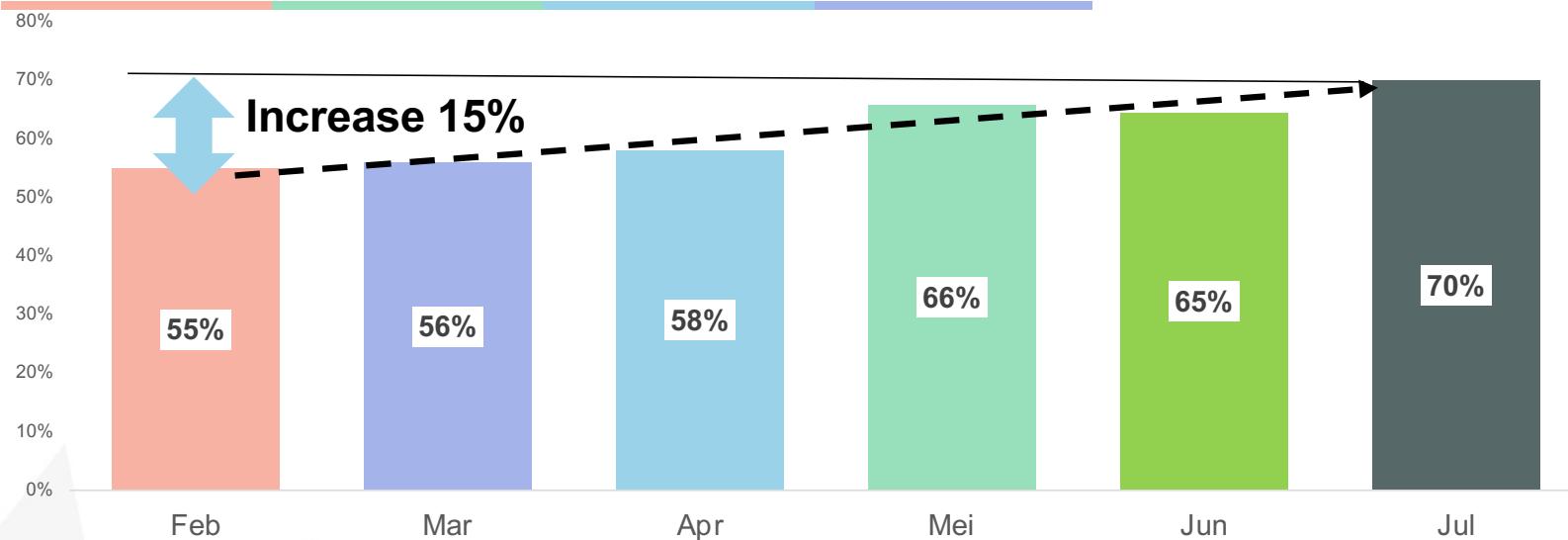
70%

65%

Before

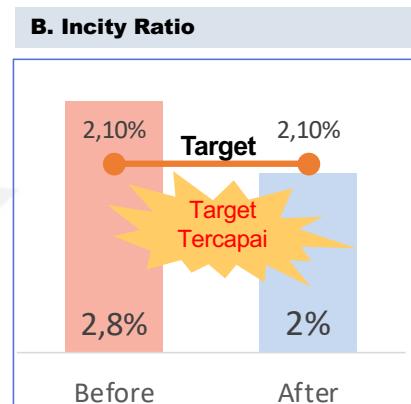
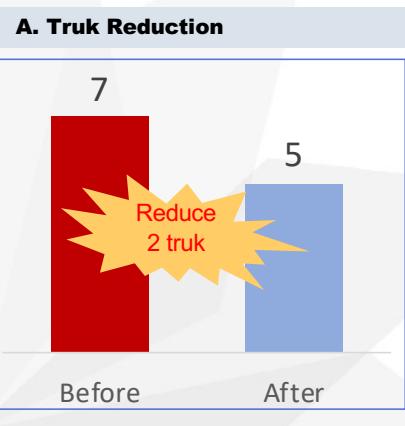
After

7. EVALUASI HASIL



Pada bulan Juli 2023, fillrate 70%

Impact



7. EVALUASI HASIL (BENEFIT)



Aspek	Before	After	Benefit
Cost	Cost Delivery Regular Incity 7 truk : 7 X Rp. 681.200 X 22 = Rp. 104.904.800	Cost Delivery Regular Incity 5 truk : 5 X Rp. 681.200 X 22 = Rp. 74.932.000	<p>Saving Cost : Rp. 29.972.800 / Bulan Rp. 359.673.600 / Tahun Setara All New Yaris HEV</p>  <p>Harga Yaris Cross HEV : 350 juta</p>
Man Hour	Lead Time proses evaluasi stagger fillrate : 5 Hari	Lead Time proses evaluasi stagger fillrate : 0,5 Jam	<p>Reduce Man Hour : = 4,94 Hari / tahun = 39,5 jam / tahun</p> 
Enviro.	Emisi CO2 yang dihasilkan dari proses pengiriman Regular dalam kota : 2,31 Ton / Bulan	Emisi CO2 yang dihasilkan dari proses pengiriman Regular dalam kota : 1,65 Ton / Bulan	<p>Reduksi CO2 : 0,66 Ton / Bulan</p> 

8. STANDARISASI



No.	Item	Key Point	Ilustrasi	Prevention
1	Running Tools Fillrate Monitoring	Pastikan tools bisa running setiap hari, sehingga bisa dilakukan review sesuai dengan trend nya		Kirim data fillare monitoring ke TAM SPLD setiap hari nya
2	Running VRP tools	Pastikan VRP dirunning saat ada triger dari fillrate monitoring		Stagger manual jika aplikasi tidak berfungsi

SOP Tools Evaluasi Fillrate

Candia - Aviva Motor		STANDARD OPERATION PROCEDURE	
Service Parts Logistic Division		Title/Process : Running Fillrate Filter	
Department : Supply Management		Version : 1.0	
Area : Shipping		SOP No. : 1320000100	
Date : 15/06/2022		Supervisor : Sigit A.	
No.	Procedure	Key Point	Illustration/Attachment
1	Retain data percustomer 1. Data sheet dly truck 2. Edit angka wewu jenise 3. Retain date 4. Cut hasil data retinen	<ul style="list-style-type: none"> - Pindah data wewu dengan Depat Date - Pindah percustomer - Pindah data terimahan - Pindah data hasil retain wewu jenise 	
2	Retain data volume 1. Data sheet volume 2. Edit angka delivery wewu jenise 3. Retain date 4. Copy pasti data volume tsb daily volume	<ul style="list-style-type: none"> - Pindah data wewu dengan Depat Date - Pindah tg jenise wewu - Pindah data terimahan - Pindah data terimahan 	
3	Edit angka kirim 1. Data sheet kirim 2. Cut data kirim masing-masing 3. Lekukan kirim untuk input data deviated	<ul style="list-style-type: none"> - Pindah data kirim tsb - Pindah data kirim tsb dan tergabung 	
4	Edit angka filter 1. Cut angka wewu masing 2. Lekukan angka untuk input 3. Retain data	<ul style="list-style-type: none"> - Pindah data wewu tsb - Pindah data filter tsb 	
Remarks		SOP Tools	
		1. Excel Sheet	
		2. Excel View	
		3. Excel	

SOP VRP running

Candia - Aviva Motor		STANDARD OPERATION PROCEDURE	
Service Parts Logistic Division		Title/Process : Running VRP application	
Department : Supply Management		Version : 1.0	
Area : Shipping		SOP No. : 1320000100	
Date : 15/06/2022		Supervisor : Sigit A.	
No.	Procedure	Key Point	Illustration/Attachment
1	Buat data VRP Server 1. Buka excel data tsb tsbt	<ul style="list-style-type: none"> - Pindah data wewu 	
2	Input data known dan volume 1. Input data known dan volume	<ul style="list-style-type: none"> - Pindah data known - Pindah data known tsb - Pindah volume wewu history 	
3	Input data kendimen 1. Input data kendimen	<ul style="list-style-type: none"> - Pindah data kendimen tsb dengan tsb dan jumlahnya - Pindah volume kendimen tsb 	
4	Usur jenise kirim 1. Usur jenise kirim	<ul style="list-style-type: none"> - Pindah jenise kirim tsb - Pindah jenise kirim tsb dengan tsb dan jumlahnya - Pindah volume kendimen tsb 	
5	Buka Setup Solution Worksheet 1. Buka Ongkir VRP Spredsheet Driver	<ul style="list-style-type: none"> - Pindah menu berfungsi - Pindah menu Customer tsb di tsb - Pindah menu tsb tsbt 	
Remarks		SOP Tools	
		1. Excel Sheet	
		2. Excel View	
		3. Excel	

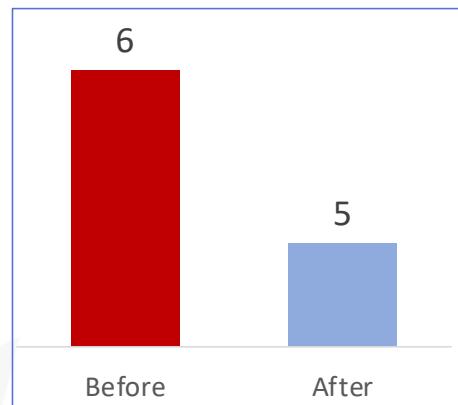
9. YOKOTEN



Dengan cara yang sama, diyokotenko ke Depo Palembang dan Depo Bandung

DEPO PALEMBANG

Qty Truk
Harian

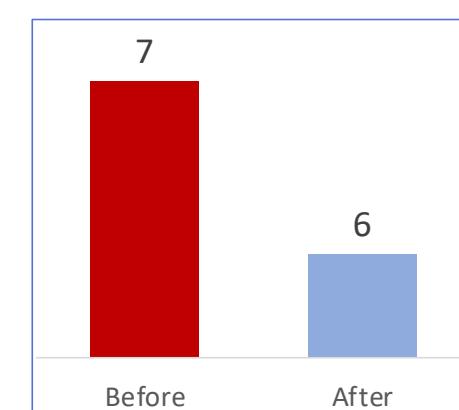


Fillrate

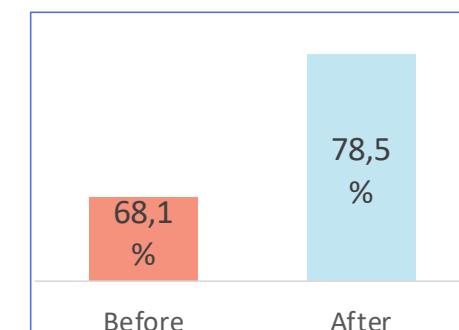


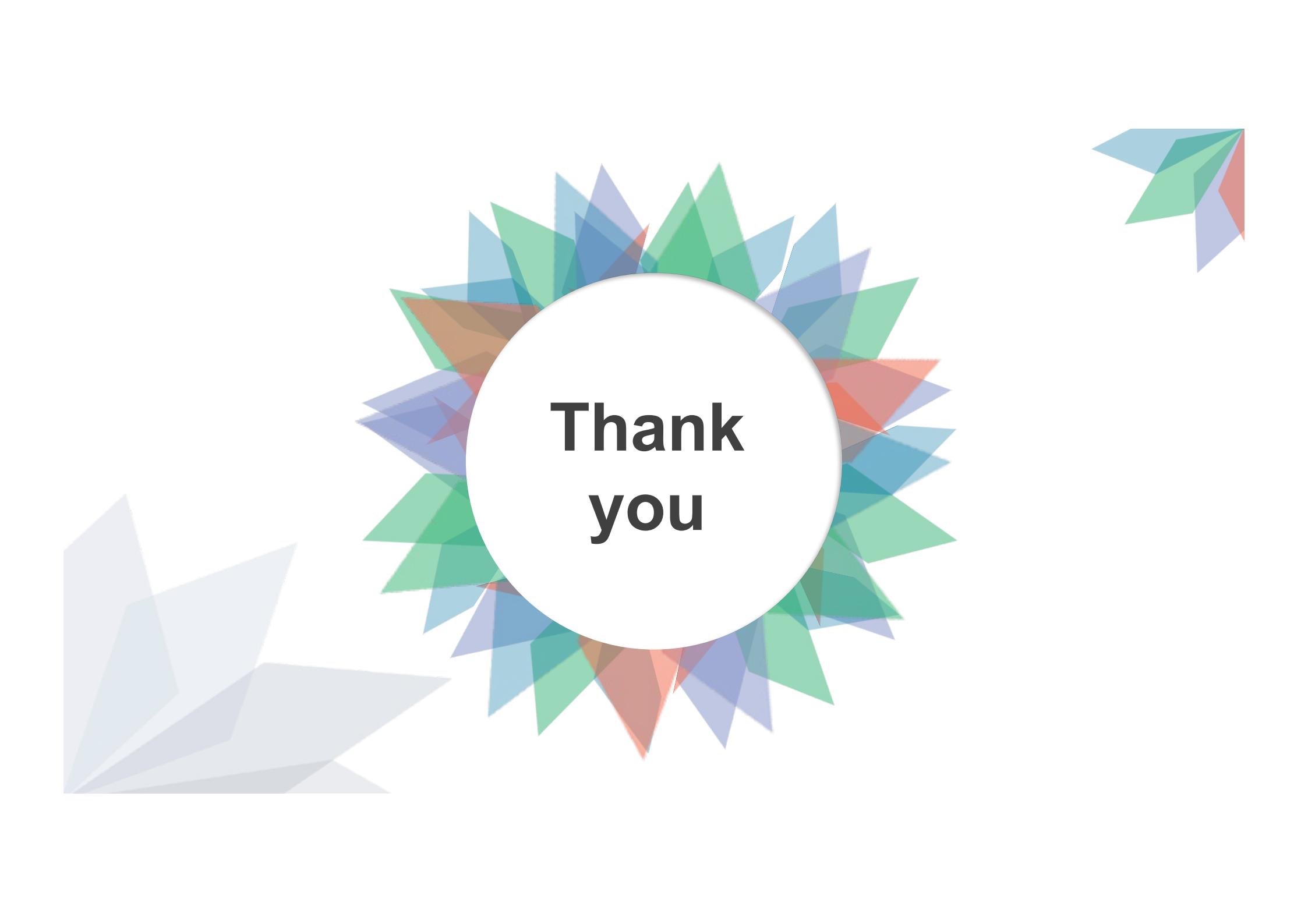
DEPO BANDUNG

Qty Truk
Harian



Fillrate





Thank
you

