ILLICIT CIGARETTES STUDY (ICS) IN MALAYSIA DEC 2020 REPORT

Report Commissioned by CMTM member companies



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ILLEGAL CIGARETTES CRITERIA FOR VERIFICATION

Packs with at least one (1) of the following features:

- 1. Absence of Registered Importers
- 2. Unregistered Importers*
- 3. Absence of Registered Manufacturers
- 4. Unregistered Manufacturers*
- 5. Packs with counterfeit (fake) Malaysian tax stamp**
- Packs without Malaysian tax stamp
- 7. Packs with non-Malaysian tax stamp
- 8. Unregistered Brand*
- 9. Non Compliance to Ministry of Health's Control of Tobacco Product Regulations (CTPR) 2004
 - I. Absence or Non Compliance of Pictorial Health Warning Requirements
 - Pack Size other than 20 sticks
 - II. Absence or Non Compliance of mandated labeling requirements

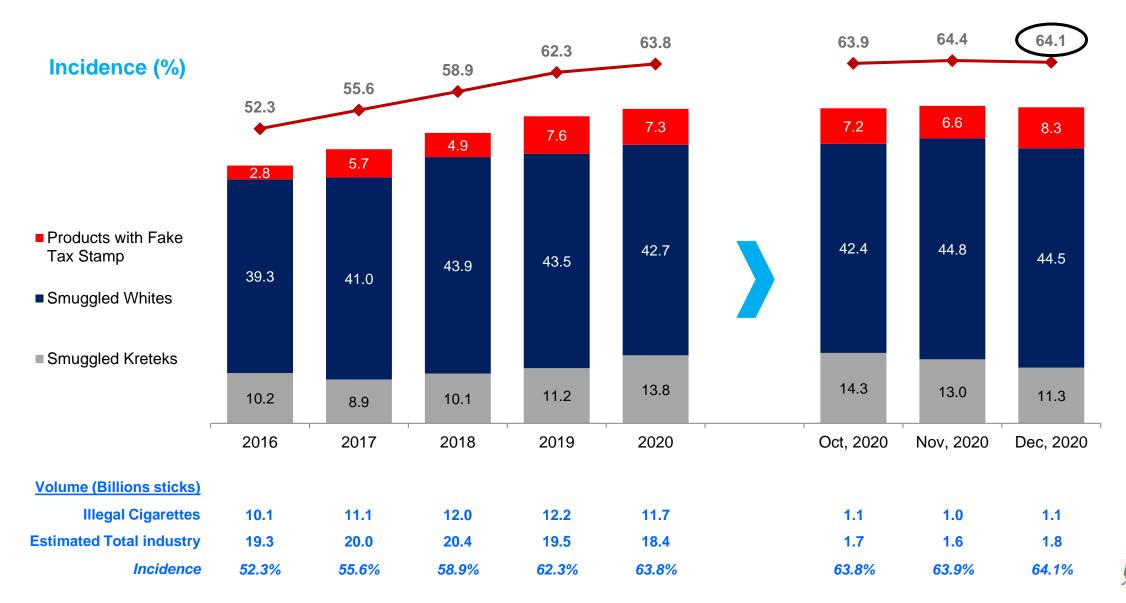


^{*} Not registered with the Royal Malaysian Customs

^{**} Verified by Lembah Sari Sdn Bhd (LSSB) – Government appointed sole vendor for tax stamp

ILLEGAL CIGARETTES INCIDENCE AT NATIONAL LEVEL:

Overall decline by 0.3 ppt. vs. Nov, 2020





TOP 10 ILLEGAL CIGARETTES BRANDS*

They account for approximately 80% of illegal cigarettes volume

		Dec, 2020
		SOM
	Illegal Brand	(%)
1.	John	14.6
2.	U2	8.3
3.	Gudang Garam	5.4
4.	Saat	4.9
5.	Canyon	4.8
6.	Era	4.4
7.	LA	3.4
8.	Luffman	3.2
9.	Premium	1.2
10.	Diplomat	1.2
	Total 10 Total	51.4

whether they are a legal brand or otherwise

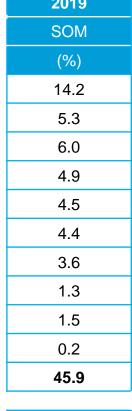
1.	John	14.6	14.8	14.2		
2.	U2	8.3	9.5	5.3		
3.	Gudang Garam	5.4	8.1	6.0		
4.	Saat	4.9	4.0	4.9		
5.	Canyon	4.8	4.8	4.5		
6.	Era	4.4	3.1	4.4		
7.	LA	3.4	3.2	3.6		
8.	Luffman	3.2	2.9	1.3		
9.	Premium	1.2	1.7	1.5		
10.	Diplomat	1.2	0.6	0.2		
	Total 10 Total	51.4	52.7	45.9		
	Other Illegal 12.7 11.7 16.4					
	Total Illegal %	64.1	64.4	62.3		
*relates to	*relates to incidence of empty packs collected that meet any of illegal cigarettes criteria in page 3, regardless					

Nov, 2020

SOM

(%)

2019
SOM
(%)
14.2
5.3
6.0
4.9
4.5
4.4
3.6
1.3
1.5
0.2
45.9
16.4







1

#4



#7



2



5



#8



10



#3





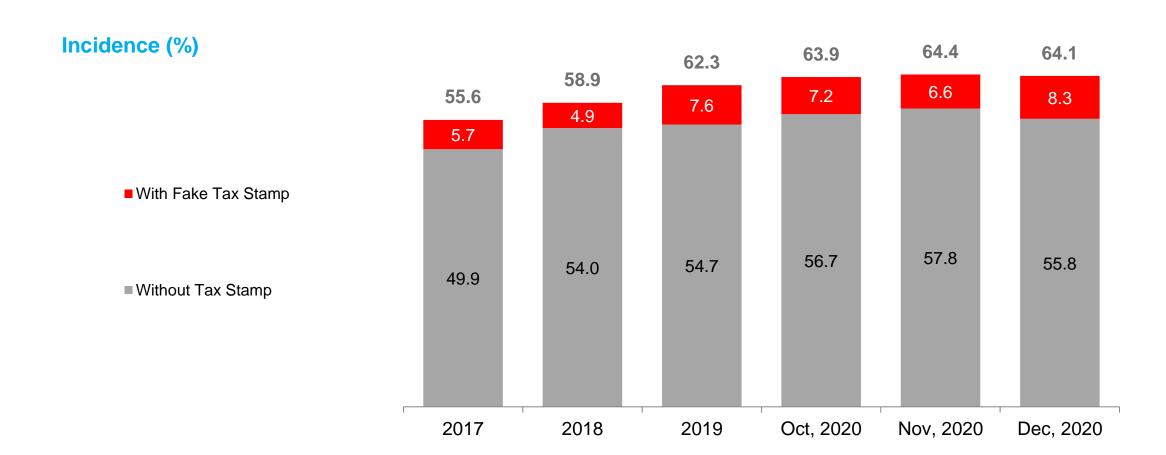






TAX STAMP BREAKDOWN OF ILLEGAL CIGARETTES:

87% of illegal cigarettes are without tax stamps while remaining 13% are with fake tax stamps

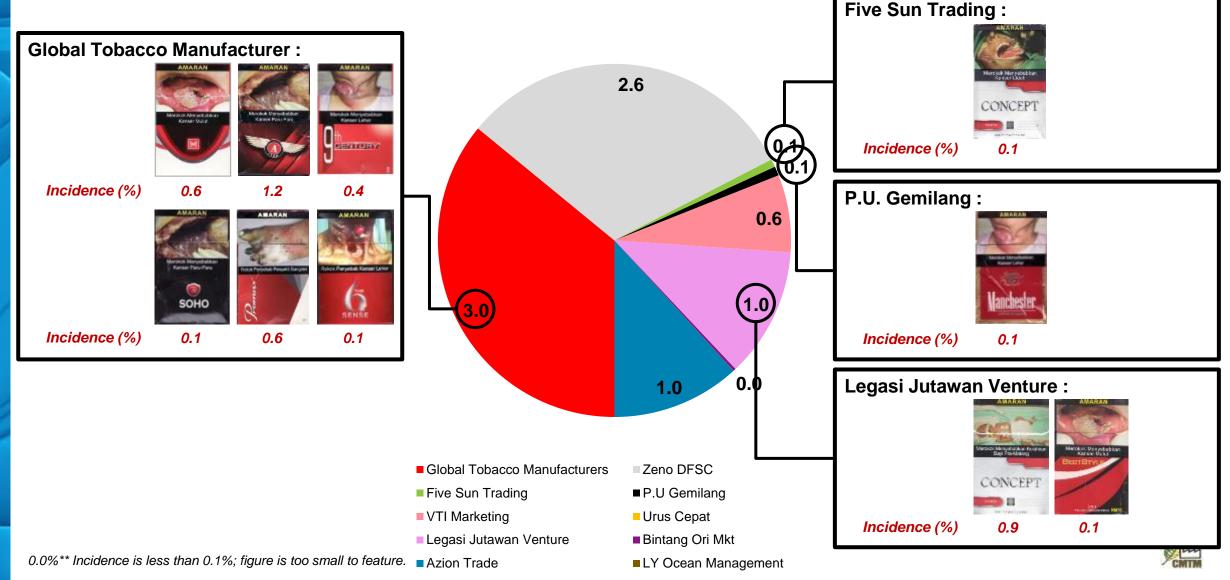




ight © 2017 The Nielsen Company (US), LLC. Confidential and proprietary. Do not distribute.

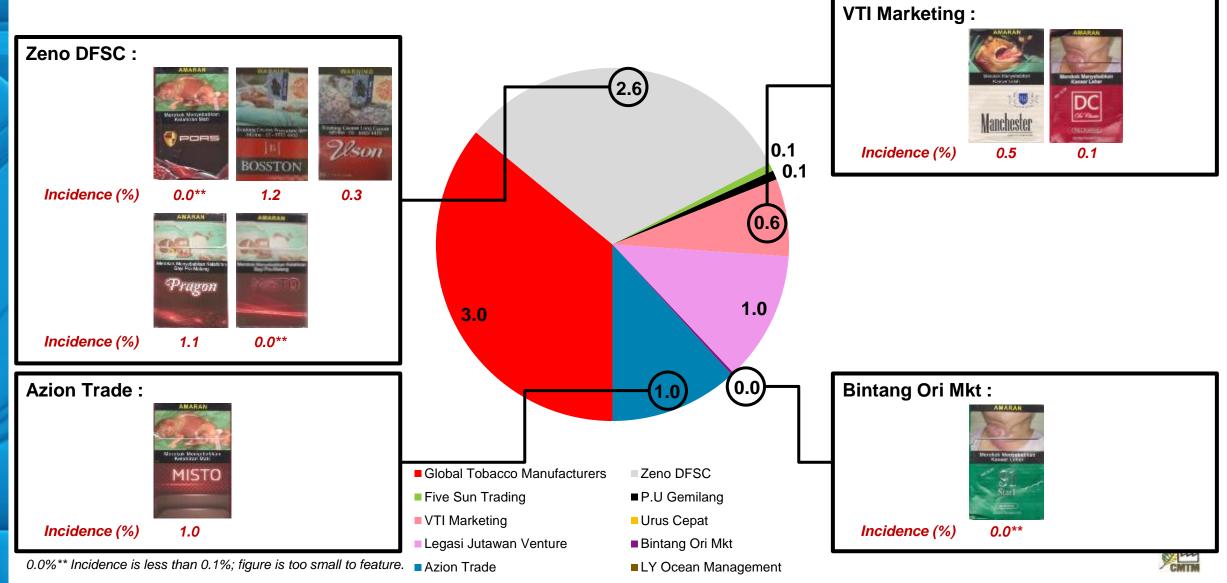
FAKE TAX STAMP BREAKDOWN BY MANUFACTURERS / IMPORTERS:

Illegal cigarettes with fake tax stamp for brands imported by Global Tobacco Manufacturers, Azion Trade, Legasi Jutawan, VTI Marketing and Zeno DFSC have increased in Dec



FAKE TAX STAMP BREAKDOWN BY MANUFACTURERS / IMPORTERS:

Illegal cigarettes with fake tax stamp for brands imported by Global Tobacco Manufacturers, Azion Trade, Legasi Jutawan, VTI Marketing and Zeno DFSC have increased in Dec



Volume Contribution

ILLEGAL CIGARETTES INCIDENCE BY STATES:

7 States recording an increase vs. Nov 2020

	A			
	Dec, 2020			
	Total Illegal	Fake Tax Stamp	Smuggled Whites	Smuggled Kretek
Sabah	87.2	0.0	82.0	5.2
Terengganu	82.6	3.2	74.1	5.3
Sarawak	78.0	0.1	67.3	10.6
Kelantan	76.5	2.5	70.4	3.6
Pahang	76.0	5.3	48.4	22.3
Kedah	68.3	14.9	46.5	6.9
WP KL	67.0	2.3	47.4	17.3
Melaka	63.2	21.7	36.3	5.2
Selangor	62.0	6.1	39.6	16.3
Penang	57.8	12.9	37.0	7.9
Johor	47.2	14.9	26.9	5.4
N.Sembilan	46.1	22.4	19.6	4.1
Perlis	42.2	3.8	28.9	9.5
Perak	40.7	21.5	17.0	2.2
National Incidence	64.1	8.3	44.5	11.3

В					
	Nov, 2020				
Total Illegal	Fake Tax Stamp	Smuggled Whites	Smuggled Kretek		
84.8	0.1	81.5	3.2		
79.7	3.1	71.5	5.1		
84.7	0.1	74.1	10.5		
73.1	1.1	70.0	2.0		
74.7	3.5	51.3	19.9		
69.6	15.7	47.3	6.6		
68.6	1.6	44.6	22.4		
59.3	22.2	34.2	2.9		
64.4	3.3	42.1	19.0		
59.1	13.3	36.7	9.1		
46.3	13.6	28.6	4.1		
46.6	14.1	25.2	7.3		
50.7	2.9	37.3	10.5		
38.7	18.6	17.9	2.2		
64.4	6.6	44.8	13.0		

A minus B						
Vari	Variance (Dec'2020 vs. Nov'2020)					
Total Illegal	Fake Tax Stamp	Smuggled Whites	Smuggled Kretek			
+2.4	-0.1	+0.5	+2.0			
+2.9	+0.1	+2.6	+0.2			
-6.7	0.0	-6.8	+0.1			
+3.4	+1.4	+0.4	+1.6			
+1.3	+1.8	-2.9	+2.4			
-1.3	-0.8	-0.8	+0.3			
-1.6	+0.7	+2.8	-5.1			
+3.9	-0.5	+2.1	+2.3			
-2.4	+2.8	-2.5	-2.7			
-1.3	-0.4	+0.3	-1.2			
+0.9	+1.3	-1.7	+1.3			
-0.5	+8.3	-5.6	-3.2			
-8.5	+0.9	-8.4	-1.0			
+2.0	+2.9	-0.9	0.0			
-0.3	+1.7	-0.3	-1.7			

5%
3%
6%
8%
4%
15%
5%
27%
5%
9%
2%
0%*
2%
100%

Volume Contribution

%

5%

3%

6%

4%

15%

5%

27%

5%

9%

0%*

ILLEGAL CIGARETTES INCIDENCE BY STATES:

8 States recording an increase vs. 2019

	Α			
	Dec, 2020			
	Total Illegal	Fake Tax Stamp	Smuggled Whites	Smuggled Kretek
Sabah	87.2	0.0	82.0	5.2
Terengganu	82.6	3.2	74.1	5.3
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Kedah	68.3	14.9	46.5	6.9
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Johor	47.2	14.9	26.9	5.4
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Perlis	42.2	3.8	28.9	9.5
Perak	40.7	21.5	17.0	2.2
National Incidence	64.1	8.3	44.5	11.3

		В	
		2019	
Total Illegal	Fake Tax Stamp	Smuggled Whites	Smuggled Kretek
81.0	0.0	75.0	6.0
77.8	5.4	62.7	9.7
86.1	0.0	72.2	13.9
76.2	1.7	69.1	5.4
78.7	3.5	70.5	4.7
59.6	13.0	38.7	7.9
62.0	4.4	40.3	17.3
41.1	13.6	23.4	4.1
63.8	6.5	38.1	19.2
55.3	15.0	34.9	5.4
37.6	12.6	23.4	1.6
48.4	14.3	26.9	7.2
42.8	7.1	28.6	7.1
50.4	16.0	31.1	3.3
62.3	7.6	43.5	11.2

A minus B				
V	ariance (De	c'2020 vs. 2	019)	
Total Illegal	Fake Tax Stamp	Smuggled Whites	Smuggled Kretek	
+6.2	0.0	+7.0	-0.8	
+4.8	-2.2	+11.4	-4.4	
-8.1	+0.1	-4.9	-3.3	
+0.3	+0.8	+1.3	-1.8	
-2.7	+1.8	-22.1	+17.6	
+8.7	+1.9	+7.8	-1.0	
+5.0	-2.1	+7.1	0.0	
+22.1	+8.1	+12.9	+1.1	
-1.8	-0.4	+1.5	-2.9	
+2.5	-2.1	+2.1	+2.5	
+9.6	+2.3	+3.5	+3.8	
-2.3	+8.1	-7.3	-3.1	
-0.6	-3.3	+0.3	+2.4	
-9.7	+5.5	-14.1	-1.1	
+1.8	+0.7	+1.0	+0.1	

10	00%
<u>~</u>	CMIIM

TOP 10 ILLEGAL CIGARETTES BRANDS FOR PERLIS

Nov, 2020

SOM

(%)

35.0

10.5

2.6

8.0

0.4

0.1

Volume contribution to National = 0%* (0%* Incidence is less than 0.5%; figure is too small to feature.)

		Dec, 2020
		SOM
	Illegal Brand	(%)
1.	John	25.7
2.	Gudang Garam	9.5
3.	M*	3.3
4.	Zon King	1.3
5.	Canyon	0.8
6.	Luffman	0.7
7.	Misto*	0.5
8.	Tiara	0.4
9.	A380*	-
10.	D&J	-
	Total 10 Total	-

Other Illegal

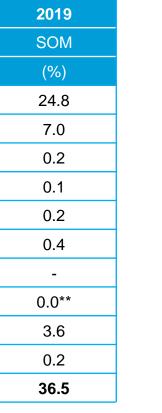
Total Illegal %

	-
	0.4
	0.3
	0.2
	50.3
	0.4
	50.7
llega	al cigarettes criteria in

2019	
SOM	
(%)	
24.8	
7.0	
0.2	
0.1	
0.2	
0.4	
-	
0.0**	
3.6	
0.2	
36.5	

6.3

42.8

















2

5





^{*}relates to incidence of empty packs collected that meet any of ill n page 3, regardless whether they are a legal brand or otherwise 0.0%** Incidence is less than 0.1%; figure is too small to feature.

TOP 10 ILLEGAL CIGARETTES BRANDS FOR KEDAH

Volume contribution to National = 4%

		Dec, 2020
		SOM
	Illegal Brand	(%)
1.	John	41.6
2.	M*	8.2
3.	Gudang Garam	6.4
4.	Concept*	2.6
5.	Luffman	1.9
6.	A380*	1.2
7.	Canyon	0.8
8.	Manchester*	0.8
9.	9 th Century*	0.8
10.	Pragon*	0.7
	Total 10 Total	65.0

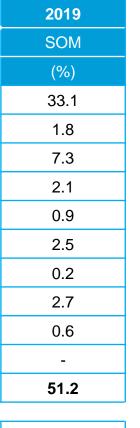
Other Illegal	3.3
Total Illegal %	68.3

whether they are a legal brand or otherwise

*relates to incidence of empty packs collected that meet any of illegal cigarettes criteria in page 3, regardless

Nov, 2020	2019
SOM	SOM
(%)	(%)
42.7	33.1
8.2	1.8
6.5	7.3
2.3	2.1
1.6	0.9
1.3	2.5
0.2	0.2
0.5	2.7
0.3	0.6
0.4	-
64.0	51.2
5.6	8.4
69.6	59.6

2019
SOM
(%)
33.1
1.8
7.3
2.1
0.9
2.5
0.2
2.7
0.6
-
51.2











^{#3}









TOP 10 ILLEGAL CIGARETTES BRANDS FOR PENANG

Volume contribution to National = 5%

		Dec, 2020
		SOM
	Illegal Brand	(%)
1.	John	20.4
2.	Gudang Garam	6.8
3.	Saat	5.6
4.	Canyon	4.2
5.	A380*	3.4
6.	U2	2.3
7.	Manchester*	2.2
8.	M*	2.1
9.	Luffman	1.9
10.	Pragon*	1.7
	Total 10 Total	50.6

Other Illegal	7.2
Total Illegal %	57.8

whether they are a legal brand or otherwise

*relates to incidence of empty packs collected that meet any of illegal cigarettes criteria in page 3, regardless

Nov, 2020	2019
SOM	SOM
(%)	(%)
19.4	25.7
7.6	4.6
7.1	3.3
4.1	0.6
3.5	4.2
0.2	0.5
1.7	2.5
3.5	3.3
3.7	0.7
2.0	-
52.8	45.4
6.3	9.9
59.1	55.3

2019	
SOM	
(%)	
25.7	
4.6	
3.3	
0.6	
4.2	
0.5	
2.5	
3.3	
0.7	
-	
45.4	
0.0	

John D-BLEND
4
WARRING THE COLOR
Canyon
#7
Vanchester

1







2





10















TOP 10 ILLEGAL CIGARETTES BRANDS FOR PERAK

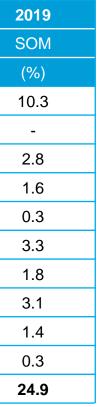
Volume contribution to National = 2%

		Dec, 2020
		SOM
	Illegal Brand	(%)
1.	John	9.5
2.	Pragon*	5.5
3.	Concept*	3.6
4.	A380*	2.6
5.	Vson*	2.5
6.	Canyon	2.0
7.	9th Century*	1.9
8.	D&J	1.8
9.	Gudang Garam	1.7
10.	Bosston*	1.7
	Total 10 Total	32.8

Total 10 Total	32.8	;
Other Illegal	7.9	
Total Illegal %	40.7	;

Nov, 2020	2019
SOM	SOM
(%)	(%)
9.6	10.3
2.5	-
4.1	2.8
2.0	1.6
2.8	0.3
2.6	3.3
2.2	1.8
2.4	3.1
1.7	1.4
1.5	0.3
31.4	24.9
7.3	12.7
38.7	37.6

2019
SOM
(%)
10.3
-
2.8
1.6
0.3
3.3
1.8
3.1
1.4
0.3
24.9
10.7



1	# 2	
END	Pra	
4	# 5	
NAM OF	-	







#3



^{*}relates to incidence of empty packs collected that meet any of illegal cigarettes criteria in page 3, regardless whether they are a legal brand or otherwise

TOP 10 ILLEGAL CIGARETTES BRANDS FOR SELANGOR

Nov, 2020

SOM

(%)

13.6

14.5

12.7

5.2

5.1

4.3

2.9

0.6

Volume contribution to National = 27%

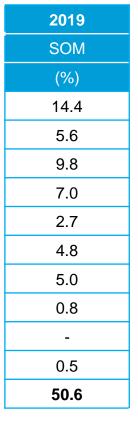
		Dec, 2020
		SOM
	Illegal Brand	(%)
1.	John	13.5
2.	U2	11.9
3.	Gudang Garam	7.5
4.	L.A.	6.8
5.	Luffman	5.8
6.	Canyon	4.8
7.	Zon King	1.7
8.	A380*	1.3
9.	Pragon*	1.3
10.	Concept*	0.9
	Total 10 Total	55.5

Other Illegal

Total Illegal %

0.4
0.1
59.4
5.0
64.4

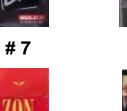
2019
SOM
(%)
14.4
5.6
9.8
7.0
2.7
4.8
5.0
0.8
-
0.5
50.6



13.2

63.8











2



5

#8



10







#6







6.5

TOP 10 ILLEGAL CIGARETTES BRANDS FOR WP KL

Volume contribution to National = 15%

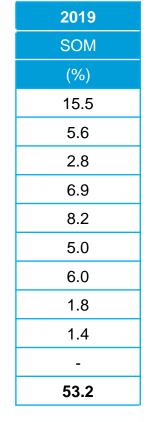
		Dec, 2020
		SOM
	Illegal Brand	(%)
1.	John	16.1
2.	U2	14.5
3.	Luffman	8.4
4.	L.A.	7.8
5.	Gudang Garam	7.8
6.	Canyon	4.8
7.	Zon King	1.8
8.	Saat	1.0
9.	Sampoerna	0.9
10.	Pragon*	0.7
	Total 10 Total	63.8

Other Illegal	3.2
Total Illegal %	67.0

whether they are a legal brand or otherwise

*relates to incidence of empty packs collected that meet any of illegal cigarettes criteria in page 3, regardless

Nov, 2020	2019
SOM	SOM
(%)	(%)
13.7	15.5
15.7	5.6
5.7	2.8
8.0	6.9
13.4	8.2
4.2	5.0
3.4	6.0
0.7	1.8
0.7	1.4
0.5	-
66.0	53.2
2.6	8.8
68.6	62.0







1



#7



2



5





10



#3











TOP 10 ILLEGAL CIGARETTES BRANDS FOR N.SEMBILAN

Volume contribution to National = 2%

		Dec, 2020
		SOM
	Illegal Brand	(%)
1.	John	7.9
2.	Canyon	6.0
3.	A380*	5.8
4.	Pragon*	5.4
5.	Gudang Garam	3.6
6.	Misto*	3.5
7.	U2	3.2
8.	Concept*	2.4
9.	Manchester*	2.1
10.	Vson*	1.6
	Total 10 Total	41.5

Other Illegal

Total Illegal %

whether they are a legal brand or otherwise

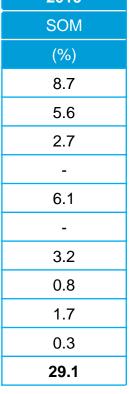
4.6

46.1

*relates to incidence of empty packs collected that meet any of illegal cigarettes criteria in page 3, regardless

	0.4	
	3.7	
	40.7	
	5.9	
	46.6	
	•	

Nov, 2020	2019
SOM	SOM
(%)	(%)
8.8	8.7
8.4	5.6
2.4	2.7
1.2	-
6.2	6.1
3.4	-
6.0	3.2
0.2	0.8
0.4	1.7
3.7	0.3
40.7	29.1



19.3

48.4

1



4



#7



10





5

2



#8













TOP 10 ILLEGAL CIGARETTES BRANDS FOR MELAKA

Nov, 2020 SOM

Volume contribution to National = 5%

		Dec, 2020
		SOM
	Illegal Brand	(%)
1.	John	22.2
2.	Canyon	12.8
3.	Bosston*	5.8
4.	Promax*	3.7
5.	Gudang Garam	3.1
6.	A380	2.7
7.	9 th Century*	2.4
8.	Misto*	2.2
9.	Pragon*	1.1
10.	M*	1.0
	Total 10 Total	57.0

Other Illegal

Total Illegal %

whether they are a legal brand or otherwise

6.2

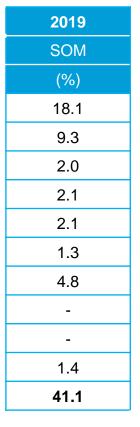
63.2

*relates to incidence of empty packs collected that meet any of illegal cigarettes criteria in page 3, regardless

SUM	
(%)	
19.6	
12.7	
6.2	
3.6	
1.8	
0.8	
2.4	
2.3	
1.1	
0.6	
51.1	
8.2	

59.3

2019	
SOM	
(%)	
18.1	
9.3	
2.0	
2.1	
2.1	
1.3	
4.8	
-	
-	
1.4	
41.1	
9.3	

















#6





10





TOP 10 ILLEGAL CIGARETTES BRANDS FOR JOHOR

Nov, 2020

Volume contribution to National = 9%

		Dec, 2020
		SOM
	Illegal Brand	(%)
1.	John	10.0
2.	Canyon	7.7
3.	U2	7.0
4.	Misto*	3.8
5.	Gudang Garam	3.6
6.	Bosston*	2.6
7.	Concept*	2.1
8.	9 th Century*	1.3
9.	Promax*	1.0
10.	A380*	0.9
	Total 10 Total	40.0

Total To Total	40.0	
Other Illegal	7.2	
Total Illegal %	47.2	

whether they are a legal brand or otherwise

*relates to incidence of empty packs collected that meet any of illegal cigarettes criteria in page 3, regardless

SOM	SOM
(%)	(%)
9.6	6.8
10.8	6.5
7.3	7.2
2.9	-
3.1	3.0
2.6	2.0
1.7	1.2
0.6	2.2
0.9	2.0
1.0	2.2
40.5	33.1
5.8	8.0
46.3	41.1

2019	
SOM	
(%)	
6.8	
6.5	
7.2	
-	
3.0	
2.0	
1.2	
2.2	
2.0	
2.2	
33.1	
8.0	

Name of the Dellend
4
MISTO
#7
CONCEPT



2







^{#3}









TOP 10 ILLEGAL CIGARETTES BRANDS FOR PAHANG

Volume contribution to National = 8%

		Dec, 2020
		SOM
	Illegal Brand	(%)
1.	John	20.4
2.	U2	18.4
3.	Diplomat	14.9
4.	Canyon	6.5
5.	Gudang Garam	5.3
6.	Bosston*	3.4
7.	Luffman	2.1
8.	Saat	0.9
9.	Concept*	0.6
10.	L.A.	0.6
	Total 10 Total	73.1

Other Illegal	2.9
Total Illegal %	76.0

whether they are a legal brand or otherwise

*relates to incidence of empty packs collected that meet any of illegal cigarettes criteria in page 3, regardless

Nov, 2020	2019
SOM	SOM
(%)	(%)
23.4	24.2
18.9	21.2
8.8	0.1
5.5	6.0
8.0	3.9
2.0	0.5
1.4	0.4
2.3	1.4
0.5	0.7
0.6	1.0
71.4	59.4
3.3	18.4
74.7	77.8

2019	
SOM	
(%)	
24.2	
21.2	
0.1	
6.0	
3.9	
0.5	
0.4	
1.4	
0.7	
1.0	
59.4	





9
8



#3









10





TOP 10 ILLEGAL CIGARETTES BRANDS FOR TERENGGANU

Volume contribution to National = 5%

		Dec, 2020
		SOM
	Illegal Brand	(%)
1.	John	27.3
2.	Saat	26.8
3.	U2	13.7
4.	Canyon	5.1
5.	Gudang Garam	4.0
6.	Promax*	1.2
7.	A380*	0.9
8.	Barokah	0.8
9.	Tex	0.3
10.	Misto*	0.3
	Total 10 Total	80.4

Other Illegal 2.2	2.9
Total Illegal % 82.6	79.

*relates to incidence of empty packs collected that meet any of illegal cigarettes criteria in page 3, regardless

Nov, 2020	2019
SOM	SOM
(%)	(%)
29.3	31.7
26.2	27.1
10.7	5.8
3.2	1.9
3.7	4.0
1.3	0.4
0.9	1.7
0.5	0.3
0.7	0.0**
0.3	-
76.8	72.9
2.9	5.8
79.7	78.7

2019
SOM
(%)
31.7
27.1
5.8
1.9
4.0
0.4
1.7
0.3
0.0**
-
72.9
5 0



1











#8



10















TOP 10 ILLEGAL CIGARETTES BRANDS FOR KELANTAN

Nov, 202

SOM

(%)

52.9

12.1

2.0

4.6

0.7

0.2

0.2

Volume contribution to National = 6%

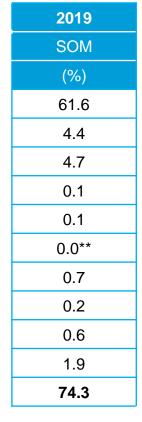
		Dec, 2020
		SOM
	Illegal Brand	(%)
1.	Saat	60.6
2.	John	6.6
3.	Gudang Garam	3.4
4.	Tex	2.0
5.	Promax*	1.9
6.	U2	0.9
7.	Concept*	0.3
8.	6 th Sense	0.3
9.	Minna	0.1
10.	Premium	0.1
	Total 10 Total	76.2

Other Illegal

Total Illegal %

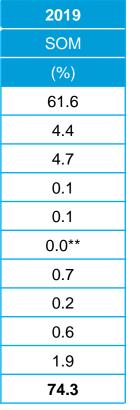
0.1
72.8
0.3
73.1

0	2019
	SOM
	(%)
	61.6
	4.4
	4.7
	0.1
	0.1
	0.0**
	0.7
	0.2
	0.6
	1.9
	74.3



1.9

76.2





1







5





10









#9







0.3

^{*}relates to incidence of empty packs collected that meet any of illegal cigarettes criteria in page 3, regardless whether they are a legal brand or otherwise 0.0%** Incidence is less than 0.1%; figure is too small to feature.

TOP 10 ILLEGAL CIGARETTES BRANDS FOR SABAH

Volume contribution to National = 8%

		Dec, 2020
		SOM
	Illegal Brand	(%)
1.	Era	60.9
2.	Premium	18.6
3.	Apache	3.7
4.	D&J	1.7
5.	Gudang Garam	1.1
6.	L.A.	0.3
7.	Win Mild	0.2
8.	Che	0.1
9.	John	0.1
10.	Memory	0.1
	Total 10 Total	86.8

Other Illegal

Total Illegal %

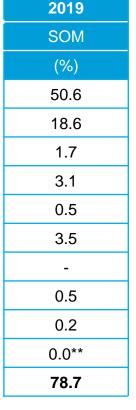
46.4	ļ
32.3	3
2.1	
2.6	
0.4	
0.6	
-	
-	
0.1	
-	
84.5	5
0.3	
84.8	3

Nov, 2020

SOM

(%)

SOM (%) 50.6 18.6 1.7 3.1 0.5 3.5 - 0.5 0.2 0.0**
50.6 18.6 1.7 3.1 0.5 3.5 - 0.5 0.2
18.6 1.7 3.1 0.5 3.5 - 0.5 0.2
1.7 3.1 0.5 3.5 - 0.5 0.2
3.1 0.5 3.5 - 0.5 0.2
0.5 3.5 - 0.5 0.2
3.5 - 0.5 0.2
- 0.5 0.2
0.2
0.2
0.0**
78.7
78.7



2.3

81.0























0.4

^{*}relates to incidence of empty packs collected that meet any of illegal cigarettes criteria in page 3, regardless whether they are a legal brand or otherwise 0.0%** Incidence is less than 0.1%; figure is too small to feature.

TOP 10 ILLEGAL CIGARETTES BRANDS FOR SARAWAK

Volume contribution to National = 3%

		Dec, 2020	
		SOM	
	Illegal Brand	(%)	
1.	Era	30.3	
2.	Parkway	18.8	
3.	Rave	9.0	
4.	L.A.	7.9	
5.	D&J	4.2	
6.	S Super	0.9	
7.	Premium	0.9	
8.	Vess	0.7	
9.	Memory	0.6	
10.	Master Mild M2	0.5	
	Total 10 Total	73.8	

Other Illegal

Total Illegal %

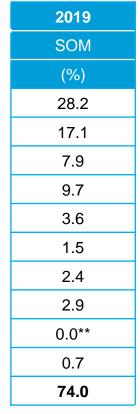
Nov, 2020	
SOM	
(%)	
29.2	
24.1	
9.9	
5.8	
4.1	
2.1	
2.8	
0.4	
0.3	
1.4	
80.1	

4.6

84.7

SOM			
(%)			
28.2			
17.1			
7.9			
9.7			
3.6			
1.5			
2.4			
2.9			
0.0**			
0.7			
74.0			
12.1			

86.1

















#8



10



#3







4.2



^{*}relates to incidence of empty packs collected that meet any of illegal cigarettes criteria in page 3, regardless whether they are a legal brand or otherwise 0.0%** Incidence is less than 0.1%; figure is too small to feature.

APPENDIX: NIELSEN'S ICS RESEARCH OBJECTIVE & METHODOLOGY

Identify the incidence & trend of illegal cigarettes in Malaysia & at State Level

2

Identify the illegal brands available in Malaysia and at State Level

3

Identify the level of compliance vs. non-compliance on cigarette packs

- I. Security features (Tax Stamps)
- II. Brands of Local Manufacturers and Importers registered with Royal Malaysian Customs
- III. Mandated Labeling Requirements (under Control of Tobacco Product Regulations, Trade Description Act, Price Control & Anti Profiteering Act)



OVERVIEW OF STUDY FRAMEWORK

METHODOLOGY

- Method: Litter collection of cigarette packs.
- Frequency: **7 waves** in a year.
- Geographical coverage: Nationwide (Pen. M'sia and Sabah & Sarawak)
- Sample size: Nationwide 20,400 packs per wave (Pen M'sia = A minimum of 1,200 packs per State, Sabah & Sarawak = 1,600 packs each)

PROCESS

Packs collection



Coding of packs



Verification of security features by government appointed vendor – Lembah Sari Sdn Bhd



Verification of security features by member companies



Analysis & Reporting

SAMPLING ERROR

0.6% at national level and minimum 2.8% at state level

RELIABILITY

Packs Collection



Excise figures from:

- British American Tobacco (M) Berhad
- JT International Berhad
- Philip Morris (M) Sdn Bhd

A correlation of 0.99 consecutively since 1993 to 2020 were achieved indicating that the Litter Survey is reliable.



⁻ Results are presented as ratio or percentages of sticks collected.

ICS RESEARCH METHODOLOGY AND DESIGN

- i. ICS Universe, Sample Size
- ii. Sampling Coverage Of ICS and Fieldwork
- iii. Coding Processes
- iv. Data Processing
- v. Weighting The Survey Data

WHY SAMPLE SIZE OF 51,000 PACKS?

Sample Size (n=)	Sampling Error @ 95% Confidence		
n=50	14.9%		
n=100	9.9%		
n=250	5.9%		
n=500	4.1%		
n=1,000	2.8%		
n=2,000	2.0%		
n=3,000	1.6%		
n=4,000	1.4%		
n=10,000	0.8%		
n=20,000	0.6%		
n=50,000	0.4%		

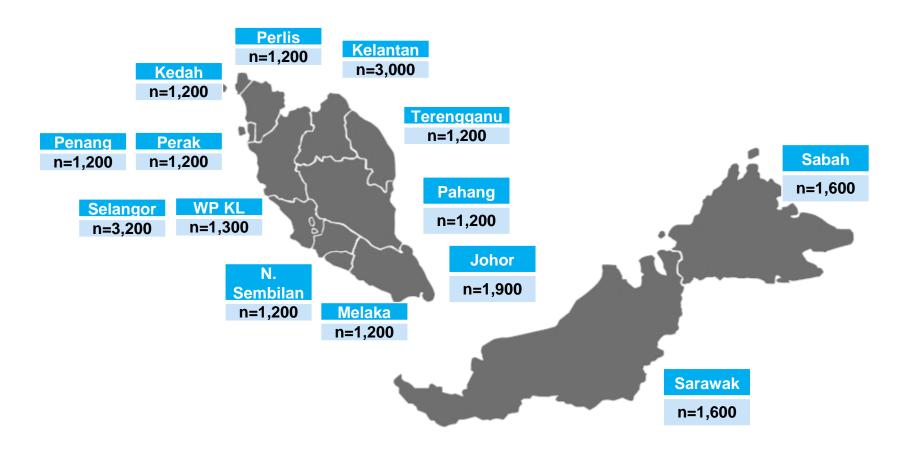
- The data accuracy for a sample size is dependent on the sample size of a study; Sampling error declines as sample size for a study is increased
- To ensure minimal sampling error at National level, sample size of n=20,000 was chosen
- At State level, a minimum sample size of n=1,200 was chosen to optimize data accuracy without impacting the efficiency of fieldwork turnaround time.



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GEOGRAPHICAL COVERAGE & SAMPLE SIZE FOR EACH STATE

- State in Pen Malaysia, minimum sample size n=1,200
- State in East Malaysia, sample size n=1,600
- These sample size are robust taking into consideration geographical landscape, different cigarettes volume pattern and efficient turnaround of fieldwork



ICS RESEARCH METHODOLOGY AND DESIGN

- i. ICS Universe, Sample Size
- ii. Sampling Coverage Of ICS and Fieldwork
- iii. Coding Processes
- iv. Data Processing
- v. Weighting The Survey Data

SAMPLING COVERAGE OF ICS

STATE	DISTRICT COVERED		
Perlis	Kangar		
Kedah	Kuala Muda Kubang Pasu	Kota Setar Baling	Kulim Pendang
Penang	Timur Laut	Seberang Perai Tengah	Seberang Perai Utara
Perak	Kinta Hilir Perak	Larut & Matang Kerian	Manjung
Selangor	Petaling Gombak	Ulu Langat Kuala Langat	Klang
WP KL	Spread across KL		
N. Sembilan	Seremban Tampin	Jempol	Port Dickson
Melaka	Melaka	Alor Gajah	
Johor	Johor Bahru	Batu Pahat	Kluang
	Kulai Jaya	Muar	Kota Tinggi
Pahang	Kuantan	Temerloh	Bentong
	Maran	Rompin	Pekan
Terengganu	Kuala Terengganu Besut	Kemaman	Dungun
Kelantan	Kota Bharu	Pasir Mas	Tumpat
	Bachok	Tanah Merah	
Sabah	Kota Kinabau	Tawau	Sandakan
	Lahad Datu	Keningau	Semporna
	Papar	Penampang	Beluran
	Tuaran	Ranau	Kota Belud
Sarawak	Kuching	Miri	Sibu
	Bintulu	Serian	Samarahan
	Sri Aman	Sarikei	Kapit
	Bau	Limbang	Saratok

- Nationwide
- All 13 states in Peninsular and East Malaysia and KL Federal Territory
- Covers each state's top 50% most populous districts
- The sampling approach ensure both Urban & Rural coverage reflects data released by Malaysia Department of Statistic (Census 2010)

FLOW CHART FOR PRE-FIELDWORK AND FIELDWORK

Establish starting point of collection



Collect 25 packs from the street each week

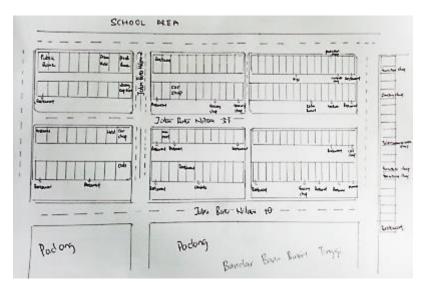


Attach label to bag: Standard label with the following:

- State
- Location collected
- Area type
- Date of collection



Packs will then be delivered to Nielsen's Head Office at KL for coding





GUIDELINES FOR PACK COLLECTION

- All Packs collected from the collection points must be in decent condition. If not Lembah Sari Sdn. Bhd. will not be able to validate the authenticity of a pack if the packs are so badly damaged that certain key elements are missing
- Instruction to collectors is to collect pack in decent condition.
- No instruction on brand restriction is issued (hence, <u>rejection of packs in poor condition applies to all</u> brands)
- As such, collectors will have no preference on the packs being collected as long as it is in decent condition.
- Remuneration for packs collected are standard across all pack type / brand







Visual Examples of Unacceptable Packs



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ICS RESEARCH METHODOLOGY AND DESIGN

- i. ICS Universe, Sample Size
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iii. Coding Processes

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A ROBUST SOP FOR PACK VERIFICATION & CODING PROCESS

The following diagram illustrates the pack verification & coding process









- Data Checking/ Reporting Weekly
- Pack Sorting & Warehouse Storage
- Preparation for Lembah Sari Review Wave End
- Lembah Sari Review Wave End

- 9 Check Lembah Sari Verifications Wave End
- Preparation for CMTM verification Wave End
- Packs & Excel Sheet to CMTM to Verify

 Wave End
- Compile Lembah
 Sari & CMTM's
 Feedback
 End of Wave

- Data Change
 Instructions to DP
 Wave End
- Final Tabulation
 Wave End
- Final Reporting
 Wave End
- Pack Disposal & Wave Gaps



CODING AND STORAGE PROCESS AT NIELSEN HQ



1. Packs which arrive at Nielsen HQ are assigned a unique pack ID number



Pack Sample

A unique ID is assigned to each pack when it reach Nielsen HQ

Each cigarettes pack which arrive will have a sticker with details on when and where it is collected



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CODING AND STORAGE PROCESS AT NIELSEN HQ



2. Once the pack ID number is assigned, data entry process will begins. All information on the pack will be captured

3. When data entry is completed, the packs are sorted by brands and types



CODING AND STORAGE PROCESS AT NIELSEN HQ

4. Once the sorting is complete, the cigarettes packs are stored on shelves with labeling for easy retrieval when required



ILLEGAL CIGARETTES CRITERIA FOR VERIFICATION

Packs with at least one (1) of the following features:

- 1. Absence of Registered Importers
- Unregistered Importers*
- 3. Absence of Registered Manufacturers
- 4. Unregistered Manufacturers*
- 5. Packs with counterfeit (fake) Malaysian tax stamp**
- 6. Packs without Malaysian tax stamp
- 7. Packs with non-Malaysian tax stamp
- 8. Unregistered Brand*
- 9. Non Compliance to Ministry of Health's Control of Tobacco Product Regulations (CTPR) 2004
 - I. Absence or Non Compliance of Pictorial Health Warning Requirements
 - Pack Size other than 20 sticks
 - II. Absence or Non Compliance of mandated labeling requirements



Not registered with the Royal Malaysian Customs

^{**} Verified by Lembah Sari Sdn Bhd (LSSB) – Government appointed sole vendor for tax stamp

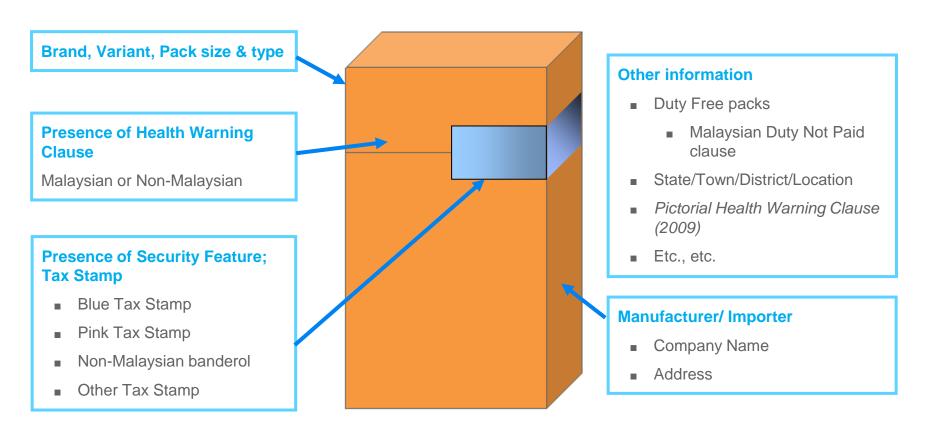
REGULATIONS SET BY THE MALAYSIA GOVERNMENT

- All locally manufactured cigarettes and imported cigarettes are required to meet the following criteria:
 - Registered brand with Customs
 - Registered manufacturer with Customs
 - Registered importer with Customs (if it is an imported pack)
 - Malaysian labeling requirements i.e. pictorial health warning clause, textual health warning clause, "no sales to under 18" clause, manufacturing date, name and address on manufacturer/importer
 - Pack size of not less than 20 sticks
- Additional security features for imported / manufactured packs for domestic consumption:
 - Blue tax stamp
- Additional security features for imported / manufactured packs for <u>duty free</u> consumption:
 - Pink tax stamp



VISIBLE ELEMENTS CAPTURED IN ICS

The following visible elements is **checked & coded / captured** for **each** of the collected packs by Nielsen Malaysia



Information on registered brands, registered manufacturers/ Importers is provided by CMTM



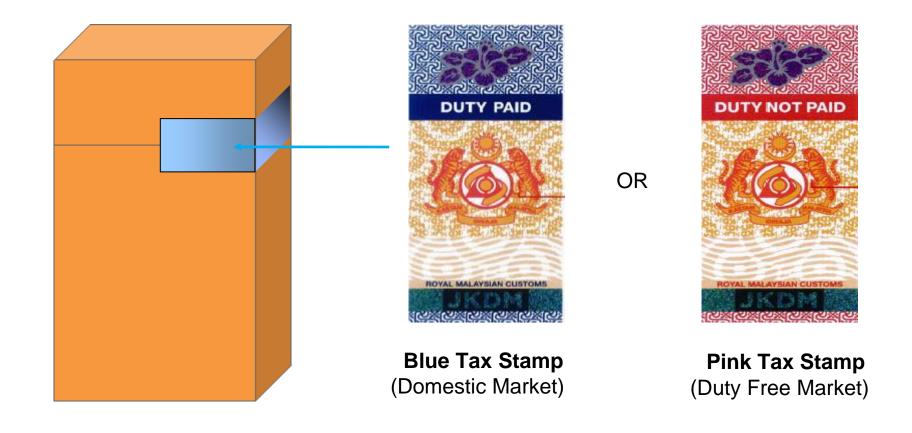
VERIFICATION OF SECURITY TAX STAMP

- Tax Stamps are verified by Lembah Sari using the special reader/tool
- Verification outcome: sign off by Lembah Sari & Nielsen as witness

1 2	•							
	Α	В	С	D	G	Н		
1	Local Manufactı F = Fak		F = Fake	X - N	lo lnk	G50 = genuine security ink, DF/MY - fake (tampo		
2	No	Pack ID	Brand	Pack Size		Remarks (by LSSB)		
3		System		Fack Size	Security Ink	Other Comments		
10	- 7	30720	John	20	F			
11	8	111197	John	20	F			
12	9	110215	John	20	F			
13	10	101121	John	20	F			
14	11	40885	John	20	F			
15	12	40782	John	20	F			
16	13	121022	John	20	F			
17	14	100613	John	20	F			
18	15	121195	John	20	F			
19	16	110975	John	20	F			
20	17	60734	John	20	F			
21	18	110977	John	20	F			
22	19	41164	John	20	F			
23	20	40784	John	20	F			
24	21	40689	John	20	F			
25	22	40788	John	20	F			
26	23	40711	John	20	F			
27	24	1093B	John	20	F			
28	25	41090	John	20	F			
29	26	40662	John	20	F			
30	27	40996	John	20	F			
31	28	4167	John	20	F			
32	29	111168	John	20	F			
33	30	41032	John	20	F			
34	31	40639	John	20	F			
35	32	120799	John	20	F			
36	33	40843	John	20	F			
37	34	4088	John	20	F			
14 4		III Template	e - BATM 📝 Templ	ate - PMI 🦽	Template - ITI 🏸	Template - RMC Importer \ Template - ELPC /		

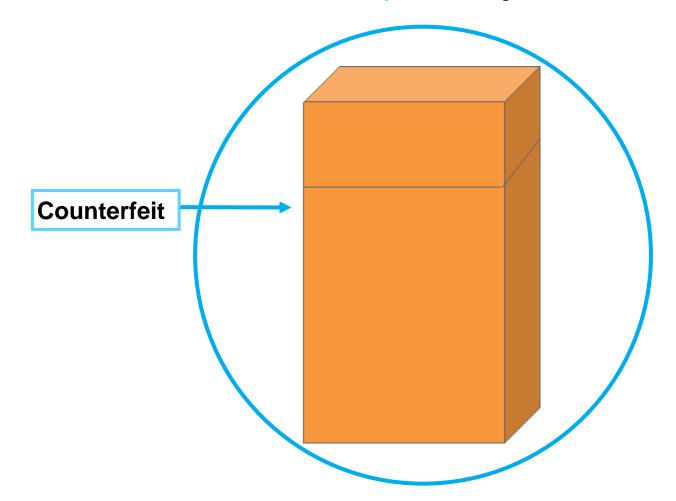


VERIFICATION OF SECURITY TAX STAMP



VERIFICATION OF NON-VISIBLE ELEMENTS

- Only applicable to CMTM members' brands
- Verification by the respective member companies' technical experts
- Pack IDs of identified Counterfeit packs are given to Nielsen Malaysia



ICS RESEARCH METHODOLOGY AND DESIGN

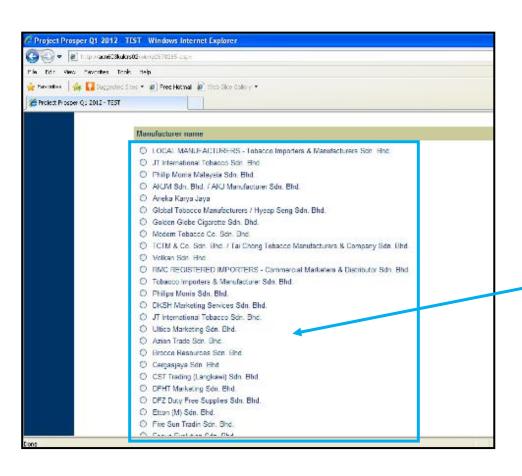
- i. ICS Universe, Sample Size
- ii. Sampling Coverage Of ICS and Fieldwork
- iii. Coding Processes

iv. Data Processing

v. Weighting The Survey Data

DATA PROCESSING (DATA CLEANING & MERGING)

- Software program to ensure data accuracy
- Logic checks on brand and manufacturers
- Security feature verification results merged into data file

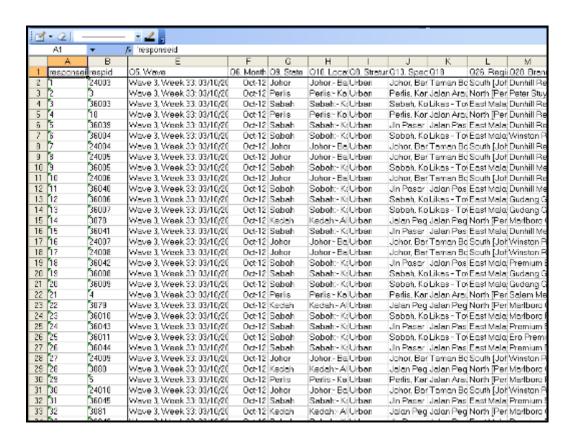


Control of Response List by Researchers

- Data entry can only input data as per the response list provided
- Any new information to be added to the response list is subject to Research Team approval
- Research Team will review and validate the new details before adding in any new response into the system



DATA PROCESSING (QUALITY CONTROL)



10% of data entered into the database will be crosscheck by a QC personnel to ensure data accuracy and coders are capturing the data correctly

QC personnel will randomly select 10% of packs which has been keyed into the system, cross-compare to ensure pack features is similar to what has been recorded in the system and rectify the data

Besides completing a 10% physical QC check, the database is reviewed to check for data discrepancy against known facts

- E.g. Dunhill belongs to BAT M'sia,
- Legal packs comes only in pack size of 20s

If any data discrepancies are detected, the affected pack will be extracted and a physical validation process will be undergone



ICS RESEARCH METHODOLOGY AND DESIGN

- i. ICS Universe, Sample Size
- ii. Sampling Coverage Of ICS and Fieldwork
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- v. Weighting The Survey Data

Why apply Weighting to Survey Data?

- A weighting process is used to determine the total estimated cigarettes volume pattern of an individual state
- If weighting is not done, then:
 - All states in Peninsular are assumed to have equal volumes of total cigarettes volume
 - Perlis with a smaller population will be over represented and Selangor, with a bigger population will be under represented
 - Sabah and Sarawak, combined would represent about 16% (8,000 of 51,000 packs) of total cigarettes volume in Malaysia, which in reality is less than 10%.

Step 1: Establish the Estimated Legal Industry Volume

- The estimated legal industry volume is established based on the following information:
 - In-market sales as provided independently by British American Tobacco Malaysia (BATM), Philip Morris Malaysia (PMM) and Japan Tobacco International (JTI)
 - Local manufacturers' volume from Nielsen's Retail Audit
 - Malaysian Duty Free volume from Illicit Cigarettes Study (ICS)

	Dec, 2020	
	('000 sticks)	
CMTM Member Companies (BATM, PMM, JTI)	612,000	Derive from actual in-market sales as provided by CMTM member companies
Other Local manufacturers	0	ICS volume estimation is used as substitute since actual data
Malaysian Duty Free	21,007	is not available
Total Legal Cigarettes Sales	633,007	

Unit of measurement: thousand sticks



Step 2: Establish the Legal Industry Volume contribution by State

• Using Nielsen Retail Audit as a guideline, **establish each states' legal volume contribution** towards the national volume of 633,007,000 sticks

	NIELSEN RETAIL AUDIT	STATE'S LEGAL VOLUME CONTRIBUTION
PERLIS	1,653	0.4%
KEDAH	16,710	3.6%
PENANG	30,189	6.5%
PERAK	26,499	5.7%
SELANGOR	139,684	30.0%
WP KL	59,654	12.8%
N.SEMBILAN	20,875	4.5%
MELAKA	23,540	5.1%
JOHOR	85,245	18.3%
PAHANG	20,482	4.4%
TERENGGANU	8,901	1.9%
KELANTAN	16,287	3.5%
SABAH	10,154	2.2%
SARAWAK	6,032	1.3%
NATIONAL	465,905	

Step 2a. (Using Retail Audit)

State Legal Volume Contribution = State's Retail Audit Volume

National Volume

(e.g. 139,684 / 465,905 = 30.0%)

	NIELSEN RETAIL AUDIT	STATE'S LEGAL VOLUME CONTRIBUTION	PROJECTED/ ESTIMATED STATE LEGAL VOLUME
SELANGOR	139,684	30.0%	189,783
NATIONAL	465,905		633,007

Step 2b.

Projected States Legal Volume

= State Legal Volume Contribution X National Legal Volume (derived from Retail Audit) (obtained from Step 1)

(e.g. $30.0\% \times 633,007 = 189,783$)



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HOW DOES NIELSEN WEIGHT THE DATA?

Step 2: Key Output

	NIELSEN RETAIL AUDIT	STATE'S LEGAL VOLUME CONTRIBUTION	PROJECTED/ ESTIMATED STATE LEGAL VOLUME
PERLIS	1,653	0.4%	2,245
KEDAH	16,710	3.6%	22,703
PENANG	30,189	6.5%	41,017
PERAK	26,499	5.7%	36,003
SELANGOR	139,684	30.0%	189,783
WP KL	59,654	12.8%	81,050
N.SEMBILAN	20,875	4.5%	28,362
MELAKA	23,540	5.1%	31,983
JOHOR	85,245	18.3%	115,820
PAHANG	20,482	4.4%	27,828
TERENGGANU	8,901	1.9%	12,093
KELANTAN	16,287	3.5%	22,129
SABAH	10,154	2.2%	13,796
SARAWAK	6,032	1.3%	8,195
NATIONAL	465,905		633,007

Step 3: Establish the Incidence for Legal / Illegal Cigarettes

- Convert the data from "packs collected" to "sticks" (based on pack size)
- The study's unit of measurement is based on consumption in sticks
 - Though CTPR prohibits the sales of cigarettes below the pack sizes of 20 sticks, **illegal cigarettes** (primarily for illegal kretek) could still be found **in pack sizes below 20 sticks**
 - The calculation based on number of packs collected will create a false inflation on illegal volume due to the presence of packs sizes below 20 sticks

State	Total packs collected (Dec'20)	Number of legal packs collected	Volume of legal	Number of illegal packs collected	(Unweighted) Volume of illegal packs collected	Total volume (Legal + Illegal)	Incidence of legal cigarettes	Incidence of illegal cigarettes
			A		В	C = A + B	D = A / C	E = B / C
SELANGOR	3,200	1,163	23,260	2,037	38,012	61,272	38.0%	62.0%

Step 3a.

Sum up the number of sticks per pack for all legal packs collected to establish the estimated legal volume in sticks

Step 3b.

Repeat
Step 3a to
establish
the estimated
illegal volume
in sticks

Step 3c.

Sum up
the total
consumption
for both legal
and illegal
to establish
The estimated
total cigarette
volume at
state level

Step 3d.

Calculate the ratio of estimated legal vs. illegal volume



Step 3: Incidence for Legal / Illegal Cigarettes Key Output

• Establish the level of legal vs. illegal cigarettes ratio in each respective state

State	Total packs collected (Dec'20)	Number of legal packs collected	(Unweighted) Volume of legal packs collected	Number of illegal packs collected	(Unweighted) Volume of illegal packs collected	Total volume (Legal + Illegal)	Incidence of legal cigarettes	Incidence of illegal cigarettes
			Α		В	C = A + B	D = A / C	E = B / C
PERLIS	1,200	653	13,060	547	9,530	22,590	57.8%	42.2%
KEDAH	1,200	365	7,300	835	15,709	23,009	31.7%	68.3%
PENANG	1,200	485	9,700	715	13,274	22,974	42.2%	57.8%
PERAK	1,200	704	14,080	496	9,649	23,729	59.3%	40.7%
SELANGOR	3,200	1,163	23,260	2,037	38,012	61,272	38.0%	62.0%
WP KL	1,300	411	8,220	889	16,700	24,920	33.0%	67.0%
N.SEMBILAN	1,200	634	12,680	566	10,849	23,529	53.9%	46.1%
MELAKA	1,200	434	8,680	766	14,913	23,593	36.8%	63.2%
JOHOR	1,900	989	19,780	911	17,658	37,438	52.8%	47.2%
PAHANG	1,200	268	5,360	932	16,966	22,336	24.0%	76.0%
T'GANU	1,200	203	4,060	997	19,213	23,273	17.4%	82.6%
KELANTAN	1,200	276	5,520	924	17,929	23,449	23.5%	76.5%
SABAH	1,600	201	4,020	1,399	27,456	31,476	12.8%	87.2%
SARAWAK	1,600	344	6,880	1,256	24,333	31,213	22.0%	78.0%

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HOW DOES NIELSEN WEIGHT THE DATA?

Step 4: Project Total Market Volume

 Once each states' estimated legal volume and legal incidence have been established, the numbers will be used to project total industry volume for each state

	STATE LEGAL VOLUME	LEGAL INCIDENCE	TOTAL MARKET VOLUME	STATE ILLEGAL VOLUME
	А	В	C = A / B	D = C - A
SELANGOR	189,783	38.0%	499,932	310,148

Step 4a.

Based on the incidence for legal cigarettes of 42.1% in Selangor, project the total volume for the state (e.g. 189,763 divide by 38.0% = 499,932)

Step 4b.

Illegal volume is established by subtracting the projected total state's volume with the legal volume (e.g. 499,9326 – 189,783 = 310,148)



Step 4: Key Output - Illegal Cigarettes Incidence @ National level

Repeat the same process in Step 4 for all States

	STATE LEGAL VOLUME	LEGAL INCIDENCE	TOTAL MARKET VOLUME	STATE ILLEGAL VOLUME
PERLIS	2,245	57.8%	3,884	1,638
KEDAH	22,703	31.7%	71,558	48,855
PENANG	41,017	42.2%	97,146	56,129
PERAK	36,003	59.3%	60,676	24,673
SELANGOR	189,783	38.0%	499,932	310,148
WP KL	81,050	33.0%	245,714	164,664
N.SEMBILAN	28,362	53.9%	52,628	24,266
MELAKA	31,983	36.8%	86,932	54,949
JOHOR	115,820	52.8%	219,214	103,394
PAHANG	27,828	24.0%	115,749	87,921
TERENGGANU	12,093	17.4%	69,320	57,227
KELANTAN	22,129	23.5%	94,005	71,876
SABAH	13,796	12.8%	108,022	94,226
SARAWAK	8,195	22.0%	37,180	28,985
NATIONAL	633,007		1,761,959	1,128,952

