

2%

AOX

1.

PT LONTAR POPYRUS PULP & PAPER INDUSTRY APP GROUP
PT INDAH KIAT PULP & PAPER TBK

			2.6%		
			AOX		90%
Kuantum Papers Ltd					
	99.5%	pH	6-7		
			6		
			15		

2.

	2016	12		
	10.1 g/L	Cl ₂		0.2 g/L
	2011	10		

3.

“ AOX ”

[2018] 064

97%		0.2 g/L		90.0%
93.5%		2.6%	AOX	33%
	21			

4.

1		“		
	”	2015		
2		“		AOX
	”	2018		
3		“		
AOX		”	2018	

5.

1

2016, 219: 600-607

Hou-Min Zhang

Bioresource Technology

180°C

2009

2012

23

30

1				2009.01-2018.12
2	APPGROUP PT INDAH KIAT PULP & PAPER TBK		100	2014.07-2018.12
3			150	2014.07-2018.12
4	PT LONTAR PAPYRUS PULP & PAPER INDUSTRY		26	2015.02-2018.12
5	APPGROUP PT INDAH KIAT PULP & PAPER TBK		25	2013.03-2018.12
6	Kuantum Papers Ltd		15	2016.10-2018.12
7			15	2011.11-2018.12
8			15	2016.07-2018.12
9			12	2015.12-2018.12
10			20	2016.11-2018.12

11

15

2013.7-2
018.12

12

coupled with a
relatively
independent
sodium Chlorate
electrolytic
production

Song HN,
Huang
BG, Yang
Y, Ban F

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610706
322.

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2004 1

ClO₂

ClO₂