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## LAMPIRAN

$$CP = (USL - LSL) / (6 \times \text{standar deviasi})$$

$CPK = \min [(USL - \text{rata}_\bar{x}) / (3 \times \text{standar deviasi}), (\text{rata}_\bar{x} - LSL) / (3 \times \text{standar deviasi})]$  min ( pilih yg lebih kecil )

$$\begin{aligned} CP &= (76,73 - 63,81) / (6 \times 3,16) \\ &= \frac{12,92}{18,96} \\ &= 0,68 \end{aligned}$$

$$\begin{aligned} CPK &= \min [(76,73 - 70,29) / (3 \times 3,16), \\ &\quad (70,29 - 63,81) / (3 \times 3,16)] \\ &= \left( \frac{6,44}{9,48} \right) \left( \frac{6,48}{9,48} \right) \\ &\approx 0,67, 0,68 \end{aligned}$$

min ( 0,67 )

Mencari Standar devian

$$\text{Mean} = 70,29$$

$$(x_i - \bar{x}) \text{ selisih dari rata-rata} = \frac{60,92}{26} = 2,34$$

$$(x_i - \bar{x})^2 \text{ Kuadrat selisih} = 249,08$$

$$s = \sqrt{\frac{\sum (x_i - \bar{x})^2}{n-1}}$$

$$s = \sqrt{9,98}$$

$$= 3,16$$

Hitung rata-rata biji bulat

$$\bar{X} = \frac{\sum x_i}{n}$$

$$= \frac{1827,63}{26} = 70,29$$

$$\overline{MR} = 65,32$$

$$UCL = \bar{X} + (A_3 \times \bar{O}) \quad A_3 (2,659)$$

$$LCL = \bar{X} - (A_3 \times \bar{O})$$

$$\bar{O} = \frac{\overline{MR}}{d_2} \quad (d_2 = 1,128)$$

$$\overline{MR} = \frac{\overline{MR}}{n} = \frac{65,32}{26} = 2,61$$

$$\bar{O} = \frac{2,61}{1,128} = 2,31$$

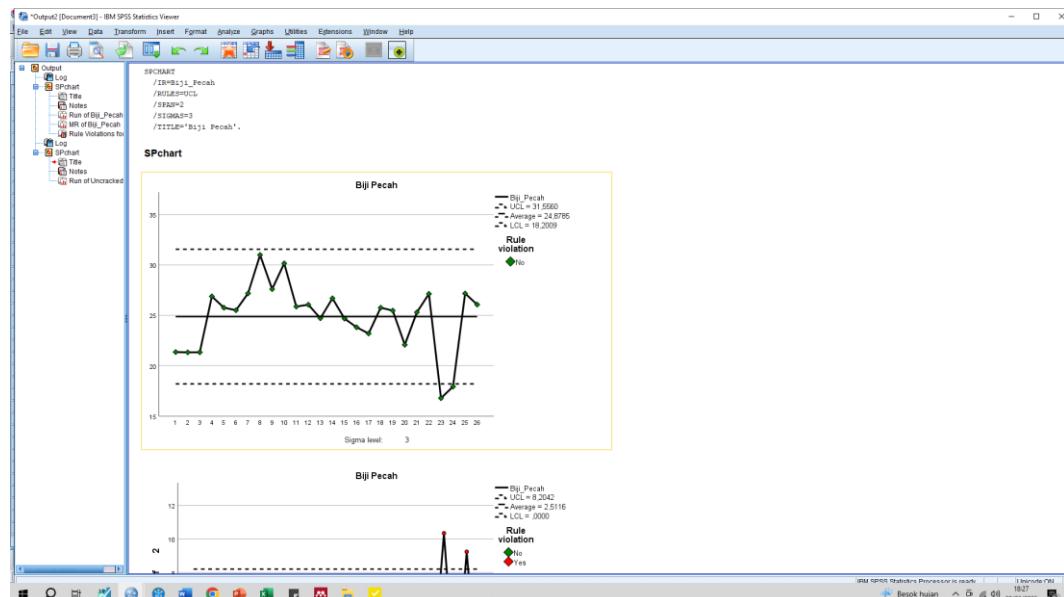
$$UCL = 70,29 + 2,659 \times 2,31$$

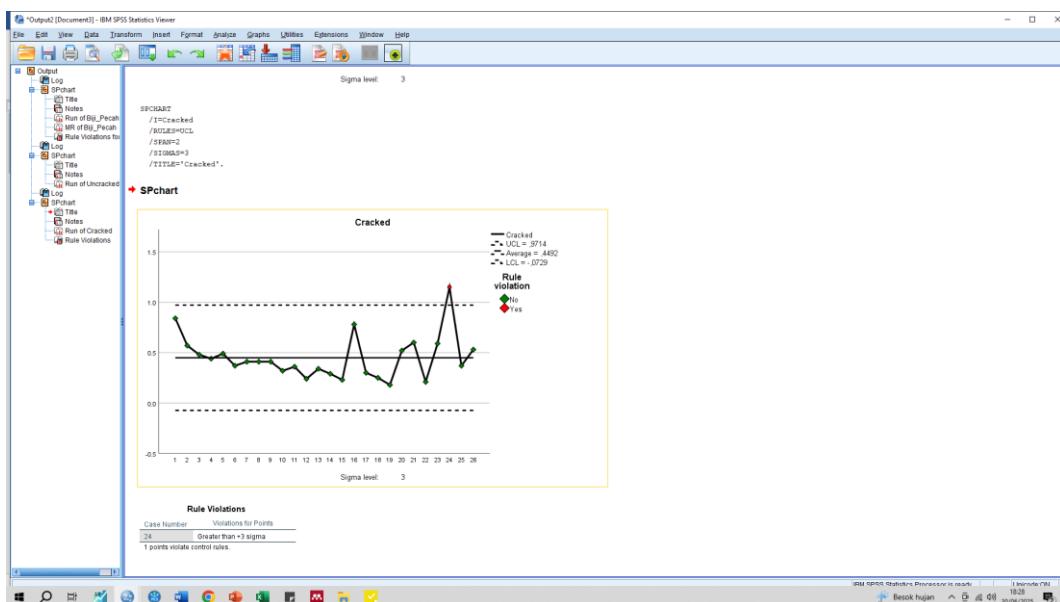
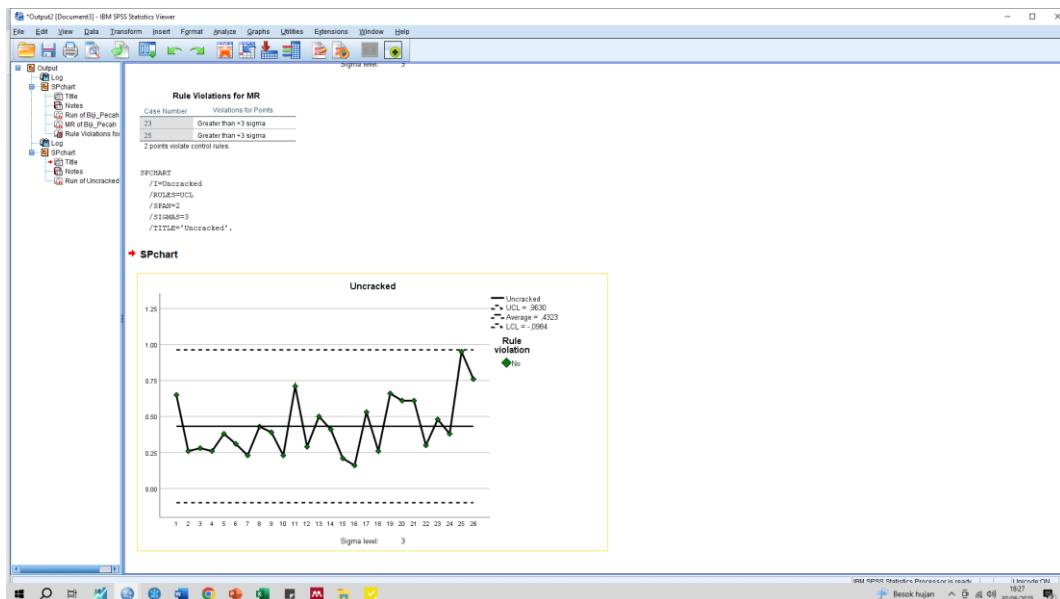
$$= 76,43$$

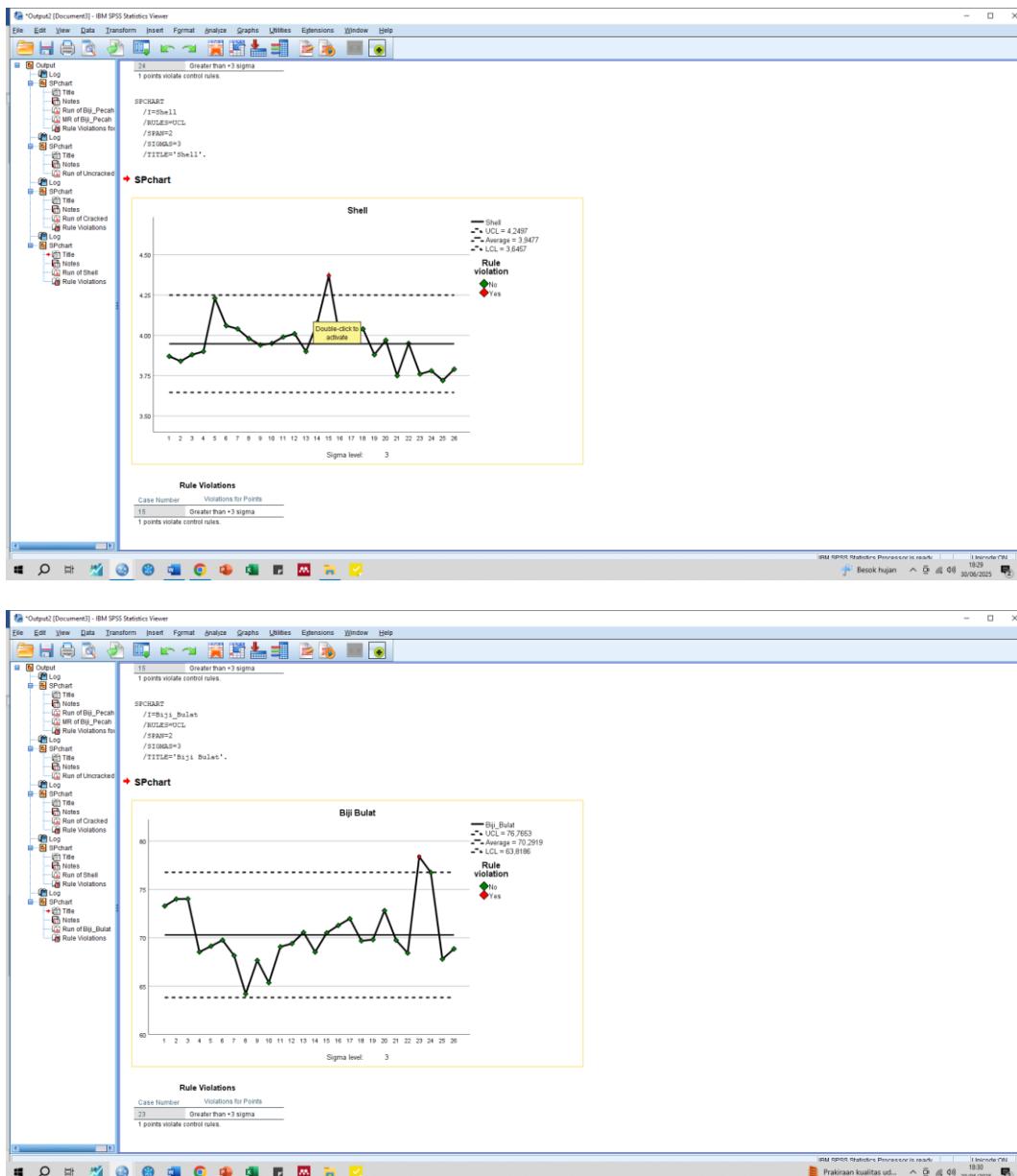
$$LCL = 70,29 - 2,659 \times 2,31$$

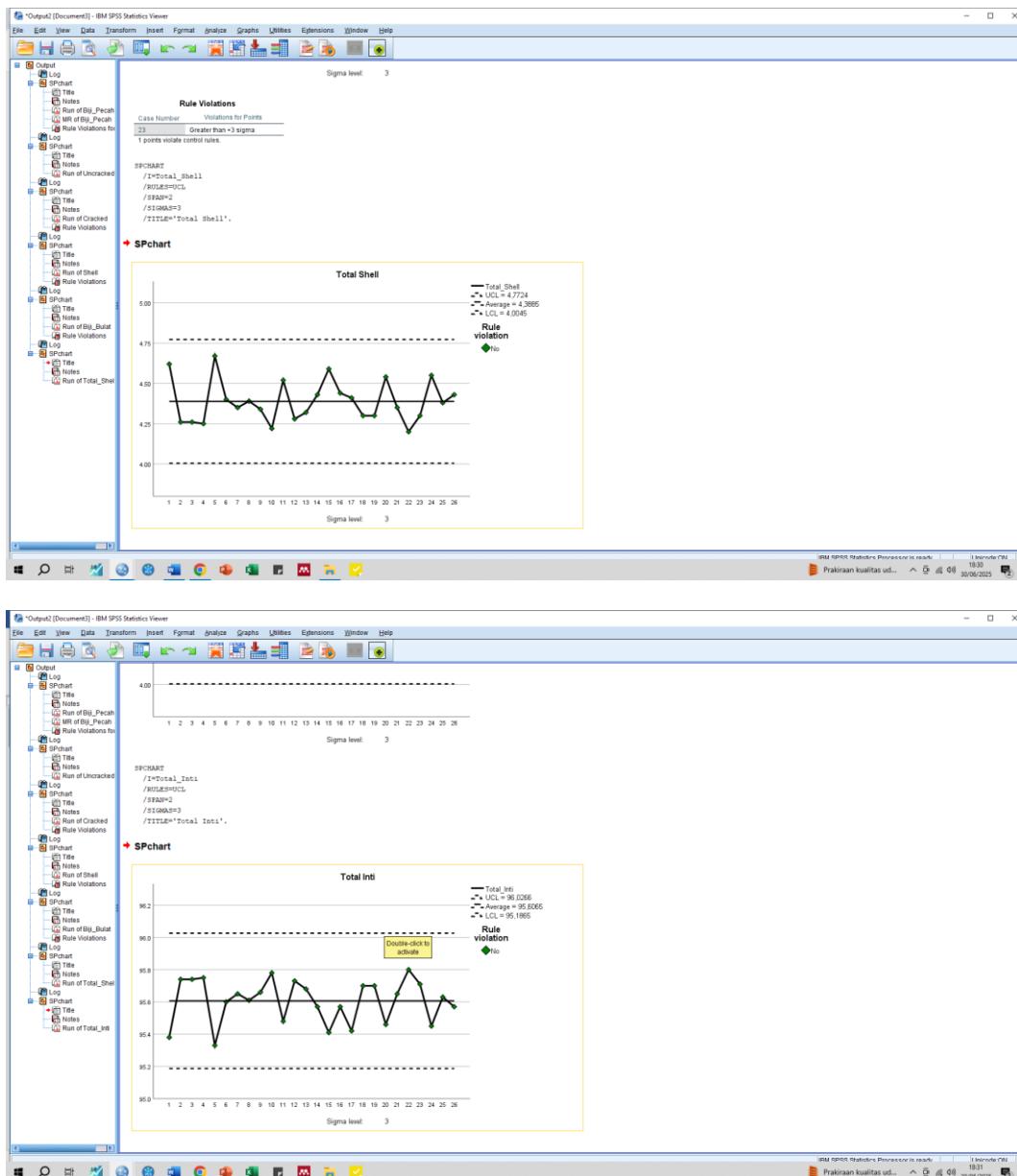
$$= 64,15$$

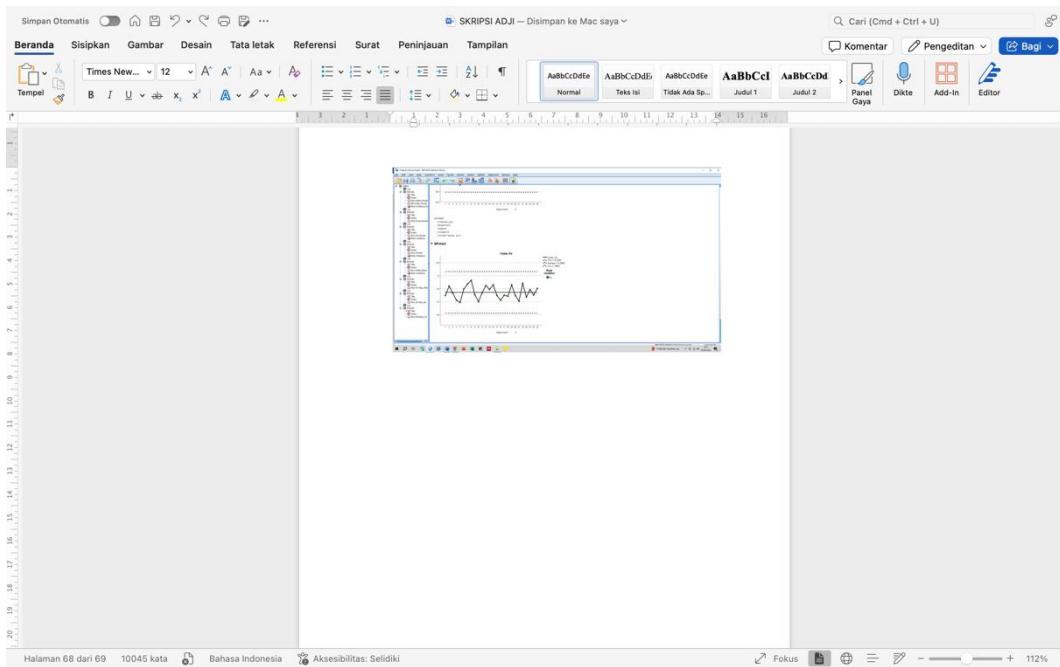
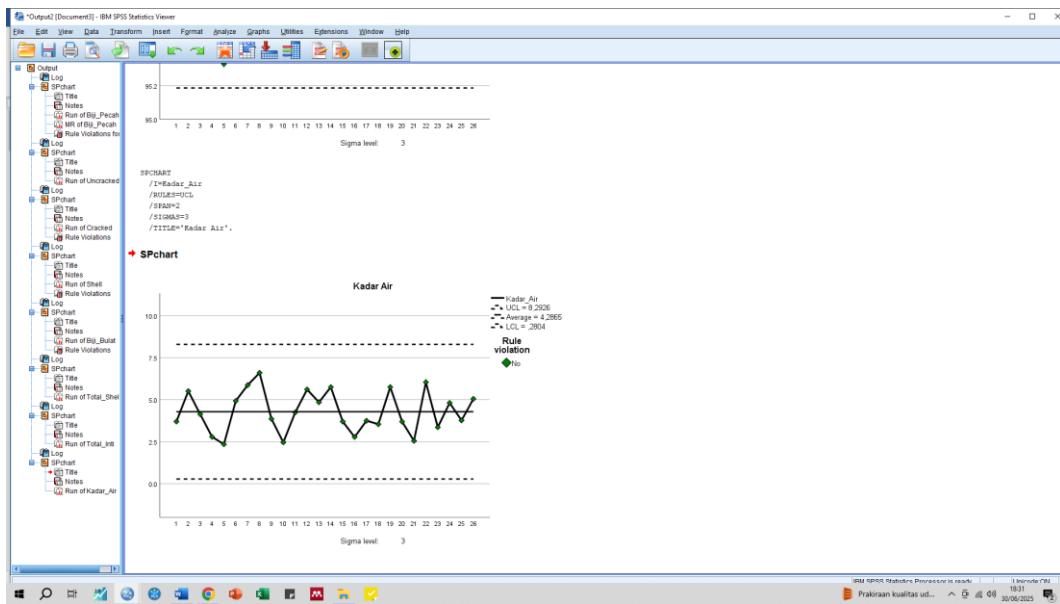
## Lampiran: Pengolahan Data dengan SPSS













Simpan Otomatis    ⌂ ⌄ ⌅ ⌆ ⌇ ⌈ ⌉ ⌊ ⌋

Beranda Sisipkan Gambar Tata Letak Halaman Rumus Data Peninjauan Tampilan Otomatiskan

Calibri (Balan) 11 A A Umum Bersyarat Format sebagai Tabel Gaya Sel Format Hapus Sisipkan Tempel

F17

	A	B	C	D	E	F	G	H	I	J
115	Data Rabu, 08 November 2023									
116		7								
117										
118	Data yang diambil sebanyak 500 gr									
119	Whole (gram)	Broken (gram)	Uncracked (gram)	Cracked (gram)	Shell (gram)	Total Shell (gram)	Total Inti (gram)			
120	340,73	135,92	1,13	2,03	20,19	21,77	478,23			
121										
122	Whole (%)	Broken (%)	Uncracked (%)	Cracked (%)	Shell (%)	Total Shell (%)	Total Inti (%)	Kadar Air (%)		
123	68,15	27,18	0,23	0,41	4,04	4,35	95,65	5,87		
124										
125	Whole (%)	68,15				Berat Sampel	10,6222			
126	Broken (%)	27,18				Berat Gelas	62,5629			
127	Uncracked (%)	0,23				Berat Sampel + Berat Gelas Setelah di Oven	72,5611			
128	Cracked (%)	0,41								
129	Shell (%)	4,04								
130	Total shell (%)	4,35								
131	Total inti (%)	95,65								
132										
133										
134	Data Kamis, 09 November 2023									
135		8								
136										
137	Data yang diambil sebanyak 500 gr									
138	Whole (gram)	Broken (gram)	Uncracked (gram)	Cracked (gram)	Shell (gram)	Total Shell (gram)	Total inti (gram)			
139	321,02	154,93	2,13	2,03	19,89	21,97	478,03			
140										
141	Whole (%)	Broken (%)	Uncracked (%)	Cracked (%)	Shell (%)	Total Shell (%)	Total inti (%)	Kadar Air (%)		
142	64,20	30,99	0,43	0,41	3,98	4,39	95,61	6,60		
143										
144	Whole (%)	64,20				Berat Sampel	10,9704			
145	Broken (%)	30,99				Berat Gelas	62,7526			
146	Uncracked (%)	0,43				Berat Gelas Setelah di Oven	72,9995			
147	Cracked (%)	0,41								
148	Shell (%)	3,98								
149	Total shell (%)	4,39								
150	Total inti (%)	95,61								

Data mentah Biji Bulat Biji Pecah Uncracked Cracked Shell Total Inti Total Shell Kadar Air Nilai Korelasi Mutu +

Siap Aksesibilitas: Selandia Baru

DANA Cashback Rp10Rb Reksa Dana Fixed Income siap dikirim. Yuk, investasi!



Data Analisis Adji Sentosa_20084_1											
Beranda		Sisipkan		Gambar		Tata Letak Halaman		Rumus			
Calibri (Badan)	11	A	A	Umum		Pemformatan Besar	Format sebagai Tabel	Gaya Sel	Sisipkan		
B	I	U	V			Hapus	Format	Urutkan & Temukan & Pilih	Format		
Templ									Add-In		
F17											
	A	B	C	D	E	F	G	H	I	J	K
266	Data Jumat,17 November 2023										
267		15									
268	Data yang diambil sebanyak 500 gr										
270	Whole (gram)	Broken (gram)	Uncracked (gram)	Cracked (gram)	Shell (gram)	Total Shell (gram)	Total inti (gram)				
271	352,52	123,41	1,05	1,16	21,86	22,97	477,03				
272											
273	Whole (%)	Broken (%)	Uncracked (%)	Cracked (%)	Shell (%)	Total Shell (%)	Total inti (%)	Kadar Air (%)			
274	70,50	24,68	0,21	0,23	4,37	4,59	95,41	3,70			
275											
276	Whole (%)	70,50				Berat Sampel	11,3363				
277	Broken (%)	24,68				Berat Gelas	60,939				
278	Uncracked (%)	0,21				Berat Gelas Setelah di Oven	71,8561				
279	Cracked (%)	0,23									
280	Shell (%)	4,37									
281	Total shell (%)	4,59									
282	Total inti (%)	95,41									
283											
284	Data Sabtu,18 November 2023										
285		16									
287	Data yang diambil sebanyak 500 gr										
289	Whole (gram)	Broken (gram)	Uncracked (gram)	Cracked (gram)	Shell (gram)	Total Shell (gram)	Total inti (gram)				
290	356,36	119,12	0,8	3,89	19,83	22,175	477,825				
291											
292	Whole (%)	Broken (%)	Uncracked (%)	Cracked (%)	Shell (%)	Total Shell (%)	Total inti (%)	Kadar Air (%)			
293	71,27	23,82	0,16	0,78	3,97	4,44	95,57	2,78			
294											
295	Whole (%)	71,27				Berat Sampel	11,0049				
296	Broken (%)	23,82				Berat Gelas	63,7526				
297	Uncracked (%)	0,16				Berat Gelas Setelah di Oven	74,4510295				
298	Cracked (%)	0,78									
299	Shell (%)	3,97									
300	Total shell (%)	4,44									
301	Total inti (%)	95,57									
	Data mentan	Biji Bulat	Biji Pecah	Uncracked	Cracked	Shell	Total inti	Total Shell	Kadar Air	Nilai Korelasi Mutu	+



Simpan Otomatis

Data Analisis Adji Sentosa\_20084\_1~

Cari (Cmd + Ctrl + U)

Beranda Sisipkan Gambar Tata Letak Halaman Rumus Data Peninjauan Tampilan Otomatiskan

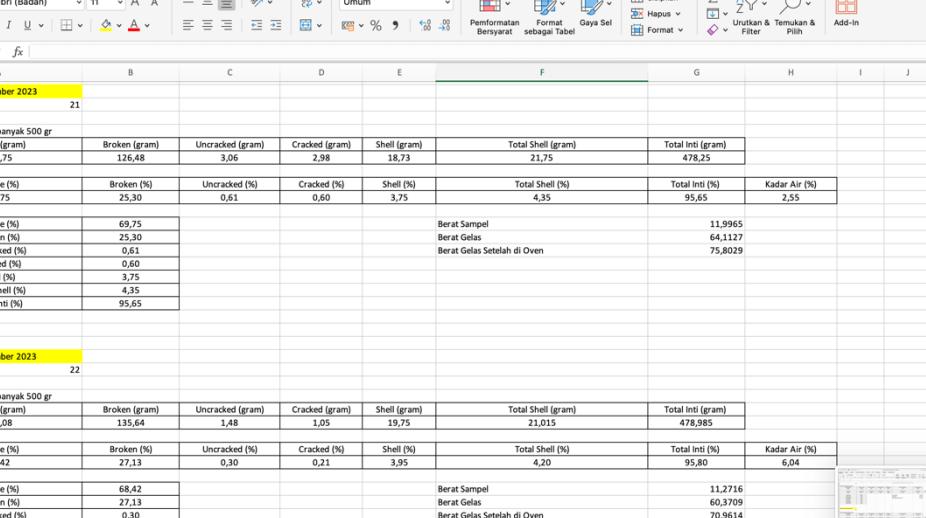
Calibri (Badan) 11 A A Umum Performansi Bersyarat Format sebagai Tabel Gaya Sel Sisipkan Hapus Urutkan & Temukan & Pilih Add-In Tempel B I U ✓ A A

F17 ▲ × ✓ fx |

	A	B	C	D	E	F	G	H	I	J
386	Data Jumat,24 November 2023									
387		21								
388	Data yang diambil sebanyak 500 gr									
390	Whole (gram)	Broken (gram)	Uncracked (gram)	Cracked (gram)	Shell (gram)	Total Shell (gram)	Total inti (gram)			
391	348,75	126,48	3,06	2,98	18,73	21,75	478,25			
392										
393	Whole (%)	Broken (%)	Uncracked (%)	Cracked (%)	Shell (%)	Total Shell (%)	Total inti (%)	Kadar Air (%)		
394	69,75	25,30	0,61	0,60	3,75	4,35	95,65	2,55		
395										
396	Whole (%)	69,75				Berat Sampel	11,9905			
397	Broken (%)	25,30				Berat Gelas	64,1127			
398	Uncracked (%)	0,61				Berat Gelas Setelah di Oven	75,8029			
399	Cracked (%)	0,60								
400	Shell (%)	3,75								
401	Total shell (%)	4,35								
402	Total inti (%)	95,65								
403										
404										
405										
406	Data Sabtu,25 November 2023									
407		22								
408	Data yang diambil sebanyak 500 gr									
409	Whole (gram)	Broken (gram)	Uncracked (gram)	Cracked (gram)	Shell (gram)	Total Shell (gram)	Total inti (gram)			
410	342,08	135,64	1,48	1,05	19,75	21,015	478,985			
411										
412	Whole (%)	Broken (%)	Uncracked (%)	Cracked (%)	Shell (%)	Total Shell (%)	Total inti (%)	Kadar Air (%)		
413	68,42	27,13	0,30	0,21	3,95	4,20	95,80	6,04		
414										
415	Whole (%)	68,42				Berat Sampel	11,2716			
416	Broken (%)	27,13				Berat Gelas	60,3709			
417	Uncracked (%)	0,30				Berat Gelas Setelah di Oven	70,9614			
418	Cracked (%)	0,21								
419	Shell (%)	3,95								
420	Total shell (%)	4,20								
421										

Data mentan Biji Bulat Biji Pecah Uncracked Cracked Shell Total Inti Total Shell Kadar Air Nilai Korelasi Mutu +

Siap! Aksesibilitas: Selidiki



Simpan Otomatis

Data Analisis Adji Sentosa\_20084\_1~

Cari (Cmd + Ctrl + U)

Beranda Sisipkan Gambar Tata Letak Halaman Rumus Data Peninjauan Tampilan Otomatiskan

Calibri (Badan) 11 A A Umum

Tempel Sisipkan Hapus Urutkan & Temukan & Pilih Add-In

Komentar Bagi

F17

	A	B	C	D	E	F	G	H	I	J
427		23								
428										
429	Data yang diambil sebanyak 500 gr									
430		Whole (gram)	Broken (gram)	Uncracked (gram)	Cracked (gram)	Shell (gram)	Total Shell (gram)	Total Inti (gram)		
431		391,89		83,96	2,4	2,95	18,8		21,475	478,525
432										
433		Whole (%)	Broken (%)	Uncracked (%)	Cracked (%)	Shell (%)	Total Shell (%)	Total Inti (%)	Kadar Air (%)	
434		78,38		16,79	0,48	0,59	3,76		4,30	95,71
435										
436		Whole (%)	78,38				Berat Sampel	11,5117		
437		Broken (%)	16,79				Berat Gelas	62,8662		
438		Uncracked (%)	0,48				Berat Gelas Setelah di Oven	73,5108		
439		Cracked (%)	0,59							
440		Shell (%)	3,76							
441		Total shell (%)	4,30							
442		Total inti (%)	95,71							
443										
444										
445										
446	Data Selasa, 28 November 2023									
447		24								
448										
449	Data yang diambil sebanyak 500 gr									
450		Whole (gram)	Broken (gram)	Uncracked (gram)	Cracked (gram)	Shell (gram)	Total Shell (gram)	Total Inti (gram)		
451		383,74		89,67	1,91	5,77	18,91		22,75	477,25
452										
453		Whole (%)	Broken (%)	Uncracked (%)	Cracked (%)	Shell (%)	Total Shell (%)	Total Inti (%)	Kadar Air (%)	
454		76,75		17,93	0,38	1,15	3,78		4,55	95,45
455										4,81
456		Whole (%)	76,75				Berat Sampel	10,0034		
457		Broken (%)	17,93				Berat Gelas	62,4632		
458		Uncracked (%)	0,38				Berat Gelas Setelah di Oven	71,5954		
459		Cracked (%)	1,15							
460		Shell (%)	3,78							
461		Total shell (%)	4,55							
462		Total inti (%)	95,45							

Simpan Otomatis | Beranda | Sisipkan | Gambar | Tata Letak Halaman | Rumus | Data | Peninjauan | Tampilan | Otomatiskan | Cari (Cmd + Ctrl + U) | Komentar | Bagi |

Calibri (Badan) | 11 | A<sup>+</sup> | A<sup>-</sup> | Umum | Pemformatan Bersyarat | Format sebagai Tabel | Gaya Sel | Sisipkan | Hapus | Urutkan & Temukan & Filter | Add-In

F17 | A | B | C | D | E | F | G | H | I | J | K

468 25

469

470 Data yang diambil sebanyak 500 gr

	Whole (gram)	Broken (gram)	Uncracked (gram)	Cracked (gram)	Shell (gram)	Total Shell (gram)	Total Inti (gram)	
471	338,96	135,87	4,73	1,86	18,58	21,875	478,125	
472								
473								
474	Whole (%)	Broken (%)	Uncracked (%)	Cracked (%)	Shell (%)	Total Shell (%)	Total Inti (%)	
475	67,79	27,17	0,95	0,37	3,72	4,38	95,63	
476							Kadar Air (%)	
477							3,77	
478	Whole (%)	Broken (%)	Uncracked (%)	Cracked (%)	Shell (%)	Total Shell (%)	Berat Sampel	
479	67,79	27,17	0,95	0,37	3,72	4,38	11,6427	
480							Berat Gelas	
481							62,7564	
482							Berat Gelas Setelah di OVEN	
483							73,9597	
484								
485								
486								
487	Data Kamis, 30 November 2023	26						
488								
489								
490	Data yang diambil sebanyak 500 gr							
491		Whole (gram)	Broken (gram)	Uncracked (gram)	Cracked (gram)	Shell (gram)	Total Shell (gram)	Total Inti (gram)
492		344,27	130,36	3,78	2,63	18,96	22,165	477,835
493								
494		Whole (%)	Broken (%)	Uncracked (%)	Cracked (%)	Shell (%)	Total Shell (%)	Total Inti (%)
495		68,85	26,07	0,76	0,53	3,79	4,43	95,57
496								Kadar Air (%)
497								5,05
498	Whole (%)	68,85						Berat Sampel
499	Broken (%)	26,07						11,5016
500	Uncracked (%)	0,76						Berat Gelas
501	Cracked (%)	0,53						63,7688
502	Shell (%)	3,79						Berat Gelas Setelah di OVEN
503	Total shell (%)	4,43						74,6897
504	Total inti (%)	95,57						
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