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Lampiran 1

DATA PHANTOM CT

Hasil ROI pada Phantom dengan Variasi kV dan mAs

- **Homogenitas CT Number pusat**

  Pada kV 140 dengan variasi mAs

No	Faktor Eksposi		CTDI vol (mGy)	Homogenitas CT Number											
	kV	mAs		Area (mmsq)	CT Pusat		CT Tepi							
					HU	SD	Jam 12		Jam 3		Jam 6		Jam 9	
							HU	SD	HU	SD	HU	SD	HU	SD
1	140	300	58.8	2051.4	-0.5	2.1	0.8	2.0	0.1	1.9	0.4	1.9	0.6	2.1
				2051.4	-0.4	2.0	0.3	2.0	0.0	1.9	0.3	1.8	0.3	2.0
	Average				**-0.45**	**2.05**	**0.55**	**2.00**	**0.05**	**1.90**	**0.35**	**1.85**	**0.45**	**2.05**
2	140	250	49.0	2142.2	-0.4	2.2	0.4	2.2	0.3	2.2	0.3	2.0	0.2	2.2
				2142.2	-0.4	2.2	0.6	1.9	0.5	2.2	0.4	2.2	0.1	2.0
	Average				**-0.40**	**2.20**	**0.50**	**2.05**	**0.40**	**2.20**	**0.35**	**2.10**	**0.15**	**2.10**
3	140	200	39.2	2020.1	-0.2	2.4	0.4	2.4	0.1	2.3	0.2	2.3	0.0	2.3
				2020.1	-0.1	2.4	0.6	2.2	0.3	2.2	0.5	2.3	0.2	2.4
	Average				**-0.15**	**2.40**	**0.50**	**2.30**	**0.20**	**2.25**	**0.35**	**2.30**	**0.10**	**2.35**
4	140	100	36.4	2127.4	-0.2	3.3	0.4	3.4	0.2	3.3	0.1	3.3	0.0	3.3
				2127.4	-0.3	3.5	0.7	3.0	0.4	3.3	0.0	3.1	0.1	3.2
	Average				**-0.25**	**3.40**	**0.55**	**3.20**	**0.30**	**3.30**	**0.05**	**3.20**	**0.05**	**3.25**

- **SNR Pada Objek**

Area (mmsq)	Obyek 1						Obyek 2					
	HU	SD	BG	SD BG	SNR	SD SNR	HU	SD	BG	SD BG	SNR	SD SNR
294.4	110.9	2	0.6	2.0	55.15		137.5	2	0.4	1.9	72.16	
294.4	110.9	2.1	1.5	2.1	52.10		137.1	2	0.5	1.8	75.89	
Average	110.9	2.05	1.05	2.05	**53.62**	**2.16**	137.3	2	0.45	1.85	**74.02**	**2.64**
319.2	111.2	2.2	0.7	2.2	50.23		137.1	2.2	0.5	2.1	65.05	
319.2	111.4	2.1	0.8	2	55.30		137.6	2.1	1.5	2.1	64.81	
Average	111.3	2.15	0.75	2.1	**52.76**	**3.59**	137.35	2.15	1	2.1	**64.93**	**0.17**
320.6	110.4	2.4	-0.3	2.3	48.13		137.3	2.3	0.8	2.3	59.35	
320.6	110.8	2.5	0.2	2.3	48.09		137.1	2.5	0.6	2.4	56.88	
Average	110.6	2.5	-0.1	2.3	**48.1**	**0.03**	137.2	2.4	0.7	2.35	**58.11**	**1.75**
293.0	110.4	3.4	-0.2	3	36.87		137.3	3.6	0.6	3.3	41.42	
293.0	111	3.3	0	3	37.00		136.5	3.3	0.8	2.8	48.46	
Average	110.7	3.35	-0.1	3	**36.933**	**0.09**	136.9	3.45	0.7	3.05	**44.94**	**4.98**

Obyek 3						Obyek 4 (arah jam 12 yang paling besar)					
HU	SD	BG	SD BG	SNR	SD SNR	HU	SD	BG	SD BG	SNR	SD SNR
892.4	8.5	1.9	1.9	468.684		111.9	1.8	1.7	2.2	50.09	
892	5.7	1.3	2	445.35		112.5	1.9	0.8	2	55.85	
					16.5						**4.1**
891.6	5.7	1	2.2	404.818		112.6	2.3	0.6	1.9	58.95	
893	5.5	1.5	2.3	387.609		112.7	2.2	2	2.1	52.71	
					12.2						**4.4**
894.8	5.8	1	2.4	372.417		111.4	2.5	0.5	2.3	48.22	
889.9	11.8	1.3	2.4	370.25		112.7	2.4	0.7	2.3	48.70	
892.35	8.8	1.15	2.4	371.333	**1.53**	112.05	2.45	0.6	2.3	48.46	**0.34**
894.6	6.3	0.9	3.3	270.818		111.1	3.2	-0.4	3.2	34.84	
892.4	6.6	1.2	3.5	254.629		112.3	3.2	0.6	3.3	33.85	
893.5	6.45	1.05	3.4	262.485	**11.45**	111.7	3.2	0.1	3.25	34.34	**0.70**

Obyek 5 (Udara)					
HU	SD	BG	SD BG	SNR	SD SNR
-56.6	2	0.7	2.0	-28.65	
-56.5	2	0.9	1.8	-31.88889	
					2.29
-56.9	2.2	0.6	2.2	-26.13636	
-56.6	2	0.9	2.1	-27.38095	
					0.88
-57.1	2.3	1.3	2.1	-27.80952	
-56.5	2.2	0.8	2.2	-26.04545	
-56.8	2.25	1.05	2.15	-26.90698	**1.25**
-55.2	7.9	0.7	3	-18.63333	
-53	12	0.5	3.4	-15.73529	
-54.1	9.95	0.6	3.2	-17.09375	**2.05**

- **Nilai Homogenitas CT Number dan Noise Terhadap Perubahan Faktor Eksposi**

No	Faktor Eksposi		CTDI vol (mGy)	Homogenitas CT Number											
	kV	mAs		Area (mmsq)	CT Pusat		CT Tepi							
					HU	SD	Jam 12		Jam 3		Jam 6		Jam 9	
							HU	SD	HU	SD	HU	SD	HU	SD
1	140	300	58.8	2051.4	-0.45	2.05	0.55	2.00	0.05	1.90	0.35	1.85	0.45	2.05
2	140	250	49.0	2142.2	-0.40	2.20	0.50	2.05	0.40	2.20	0.35	2.10	0.15	2.10
3	140	200	39.2	2020.1	-0.15	2.40	0.50	2.30	0.20	2.25	0.35	2.30	0.10	2.35
4	140	100	36.4	2127.4	-0.25	3.4	0.55	3.20	0.30	3.30	0.05	3.20	0.05	3.25

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Lampiran 2

Hasil ROI pada Phantom dengan Variasi kV dan mAs

- **Homogenitas CT Number pusat**

  Pada kV 120 dengan variasi mAs

No	Faktor Eksposi		CTDI vol (mGy)	Homogenitas CT Number											
	kV	mAs		Area (mmsq)	CT Pusat		CT Tepi							
					HU	SD	Jam 12		Jam 3		Jam 6		Jam 9	
							HU	SD	HU	SD	HU	SD	HU	SD
1	120	300	40.4	2053.2	-1.0	2.4	-0.5	2.3	-0.5	2.4	-0.5	2.3	-0.7	2.3
				2053.2	-1.0	2.4	-0.5	2.3	-0.5	2.3	-0.2	2.3	-0.9	2.3
	Average				**-1.00**	**2.40**	**-0.50**	**2.30**	**-0.50**	**2.35**	**-0.35**	**2.30**	**-0.80**	**2.30**
2	120	250	33.6	2323.3	-0.9	2.6	-0.5	2.5	-0.4	2.7	-0.5	2.5	-0.6	2.5
				2323.3	-0.7	2.6	-0.4	2.6	-0.4	2.7	-0.3	2.3	-0.5	2.5
	Average				**-0.80**	**2.60**	**-0.45**	**2.55**	**-0.40**	**2.70**	**-0.40**	**2.40**	**-0.55**	**2.50**
3	120	200	26.9	2088.5	-0.6	3.0	-0.6	2.8	-0.9	2.8	-0.4	2.7	-0.6	2.8
				2088.5	-0.5	3.0	-0.6	2.8	-0.5	2.8	-0.7	2.7	-1.0	2.7
	Average				**-0.6**	**3.0**	**-0.6**	**2.8**	**-0.7**	**2.8**	**-0.6**	**2.7**	**-0.8**	**2.8**
4	120	100	13.5	2046.3	-0.8	4.9	-0.7	4.0	-0.7	3.8	-0.4	3.8	-0.7	3.9
				2046.3	-0.8	4.3	-0.6	3.8	-0.8	3.9	-0.7	4.0	-0.8	3.9
	Average				**-0.8**	**4.6**	**-0.7**	**3.9**	**-0.8**	**3.9**	**-0.6**	**3.9**	**-0.8**	**3.9**

- **SNR pada objek**

Area (mmsq)	Obyek 1						Obyek 2					
	HU	SD	BG	SD BG	SNR	SD SNR	HU	SD	BG	SD BG	SNR	SD SNR
337.5	105.6	2.4	-0.1	2.1	50.33		132.6	2.4	-0.3	2.3	57.78	
337.5	106.2	2.4	-0.4	2.1	50.76		132.7	2.5	-0.1	2.2	60.36	
Average	105.9	2.4	-0.25	2.1	**50.55**	**0.30**	132.65	2.45	-0.2	2.25	**59.07**	**1.83**
357.7	105	2.9	-0.8	2.3	46.00		131.8	3.6	-0.8	2.3	57.65	
357.7	105.6	2.5	-0.1	2.4	44.04		132.5	2.8	-0.4	2.4	55.38	
Average	105.3	2.7	-0.45	2.35	**45.02**	**1.38**	132.15	3.2	-0.6	2.35	**56.51**	**1.61**
297.7	105.1	2.7	-0.6	2.6	40.65		132.1	3.0	-0.6	2.6	51.04	
297.7	105.5	2.7	0.1	2.7	39.04		132.3	2.8	0.5	2.8	47.07	
Average	105.3	2.7	-0.3	2.7	**39.8**	**1.14**	132.2	2.9	-0.5	2.7	**49.05**	**2.81**
312.0	105.9	4.5	-0.9	3.8	28.11		132.1	4.1	-0.5	3.9	34.00	
312.0	105.1	4.3	-0.6	3.9	27.10		132.1	4.3	-0.4	3.9	33.97	
Average	105.5	4.4	-0.75	3.85	**27.604**	**0.71**	132.1	4.2	-0.45	3.9	**33.99**	**0.02**

Obyek 3						Obyek 4 (arah jam 12 yang paling besar)					
HU	SD	BG	SD BG	SNR	SD SNR	HU	SD	BG	SD BG	SNR	SD SNR
904.7	7.1	0.5	2.4	376.75		107.4	2.6	0.5	2.4	44.54	
905.4	7.7	0.2	2.4	377.17		107.1	2.3	-0.2	2.2	48.77	
					0.29						**2.99**
902.9	8.6	-0.9	3.0	301.27		106.4	2.5	0.1	2.6	40.88	
904	9	0.3	2.4	376.54		107.4	2.5	1.1	3.1	34.29	
					53.23						**4.66**
906.3	6.2	0.4	3	301.97		106.1	3.1	0.3	2.5	42.32	
906.3	6.2	0.3	2.8	323.57		106.9	3.3	0.3	2.5	42.64	
906.3	6.2	0.35	2.9	312.40	**15.28**	106.5	3.2	0.3	2.5	42.48	**0.23**
906.1	8.1	-0.2	3.9	232.38		107.3	4.1	0.9	3.8	28.00	
905.7	7.8	0.2	3.6	251.53		106.3	4.1	-0.6	4.0	26.73	
905.9	7.95	0	3.75	241.57	**13.54**	106.8	4.1	0.15	3.9	27.35	**0.90**

Obyek 5 (Udara)					
HU	SD	BG	SD BG	SNR	SD SNR
-63.5	2.5	0.0	2.5	-25.40	
-63.3	2.3	0.1	2.3	-27.57	
					1.53
-63.6	2.4	-0.3	2.5	-25.32	
-63.9	2.4	-0.1	2.5	-25.52	
					0.14
-64.1	3.1	-0.5	2.8	-22.71	
-64.2	3.1	0.1	2.9	-22.17	
-64.15	3.1	-0.2	2.85	-22.44	**0.38**
-64	4.4	-0.3	4	-15.93	
-63.6	3.9	0.4	4	-16.00	
-63.8	4.15	0.05	4	-15.96	**0.05**

- **Nilai Homogenitas CT Number dan Noise Terhadap Perubahan Faktor Eksposi**

No	Faktor Eksposi		CTDI vol (mGy)	Homogenitas CT Number											
	kV	mAs		Area (mmsq)	CT Pusat		CT Tepi								
					HU	SD	Jam 12		Jam 3		Jam 6		Jam 9		
							HU	SD	HU	SD	HU	SD	HU	SD	
1	120	300	40.4	2053.2	-1.00	2.40	-0.50	2.30	-0.50	2.35	-0.35	2.30	-0.80	2.30	
2	120	250	33.6	2323.3	-0.80	2.60	-0.45	2.55	-0.40	2.70	-0.40	2.40	-0.55	2.50	
3	120	200	26.9	2088.5	-0.55	3.00	-0.60	2.80	-0.70	2.80	-0.55	2.70	-0.80	2.75	
4	120	100	13.5	2046.3	-0.8	4.6	-0.65	3.90	-0.75	3.85	-0.55	3.90	-0.75	3.90	

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Lampiran 3

Hasil ROI pada Phantom dengan Variasi kV dan mAs

- **Homogenitas CT Number pusat**

  Pada kV 100 dengan variasi mAs

No	Faktor Eksposi		CTDI vol (mGy)	Area (mmsq)	Homogenitas CT Number									
					CT Pusat		CT Tepi							
							Jam 12		Jam 3		Jam 6		Jam 9	
	kV	mAs			HU	SD	HU	SD	HU	SD	HU	SD	HU	SD
1	100	300	24.6	2079.6	-1.0	3.3	-1.4	3.1	-1.5	2.9	-1.3	3.1	-1.5	3.1
				2079.6	-0.8	3.2	-1.9	3.1	-1.4	3.2	-1.0	3.2	-1.5	2.9
	Average				**-0.90**	**3.25**	**-1.65**	**3.10**	**-1.45**	**3.05**	**-1.15**	**3.15**	**-1.50**	**3.00**
2	100	250	20.5	2079.6	-0.8	3.6	-1.4	3.5	-1.1	3.4	-0.9	3.3	-1.3	3.3
				2079.6	-0.7	3.7	-1.2	3.3	-1.3	3.2	-1.4	3.3	-1.1	3.4
	Average				**-0.75**	**3.65**	**-1.30**	**3.40**	**-1.20**	**3.30**	**-1.15**	**3.30**	**-1.20**	**3.35**
3	100	200	16.4	2079.6	-0.3	4.1	-1.7	3.8	-1.4	3.8	-1.0	3.7	-1.4	3.8
				2079.6	-0.4	4.1	-1.4	3.7	-1.4	3.7	-1.2	3.7	-1.4	3.7
	Average				**-0.4**	**4.1**	**-1.6**	**3.8**	**-1.4**	**3.8**	**-1.1**	**3.7**	**-1.4**	**3.8**
4	100	100	8.2	2079.6	-0.6	5.8	-1.2	5.3	-1.3	5.3	-1.2	5.5	-1.3	5.2
				2079.6	-0.6	5.8	-1.7	5.5	-1.1	5.3	-0.9	5.3	-1.3	5.3
	Average				**-0.6**	**5.8**	**-1.5**	**5.4**	**-1.2**	**5.3**	**-1.1**	**5.4**	**-1.3**	**5.3**

- **SNR pada Objek**

Area (mmsq)	Obyek 1						Obyek 2					
	HU	SD	BG	SD BG	SNR	SD SNR	HU	SD	BG	SD BG	SNR	SD SNR
285.6	98	3.2	-1.6	2.8	35.57		126.3	3.1	-1.4	3	42.57	
285.6	98.5	3.2	-1.8	2.9	34.59		126.6	3.2	-1.4	2.7	47.41	
Average	98.25	3.2	-1.7	2.85	**35.08**	**0.70**	126.45	3.15	-1.4	2.85	**44.99**	**3.42**
339.5	98.7	3.5	-0.3	3.4	29.12		127.2	3.5	-1.0	3.3	38.85	
339.5	98.6	3.7	-1.5	3.2	31.28		126.3	3.5	-1.2	3.1	41.13	
Average	98.65	3.6	-0.9	3.3	**30.20**	**1.53**	126.75	3.5	-1.1	3.2	**39.99**	**1.61**
300.0	98.4	3.8	-2.2	3.8	26.47		126.3	4.1	-1.4	3.4	37.56	
300.0	97.7	4.1	-0.8	3.7	26.62		126.2	4.1	-1.4	4	31.90	
Average	98.1	3.8	-1.5	3.8	**26.5**	**0.10**	126.25	4.1	-1.4	3.7	**34.73**	**4.00**
	97.4	5.8	-1.1	5.2	18.94		125.6	5.8	-1.3	5.9	21.51	
	97.6	5.4	-1.2	4.6	21.48		126.6	5.2	-1	5.2	24.54	
Average	97.5	5.6	-1.15	4.9	**20.21**	**1.79**	126.1	5.5	-1.15	5.55	**23.02**	**2.14**

Obyek 3						Obyek 4 (arah jam 12 yang paling besar)					
HU	SD	BG	SD BG	SNR	SD SNR	HU	SD	BG	SD BG	SNR	SD SNR
933.8	5.7	-1.2	3.2	292.19		99.2	3.3	0.9	4	24.58	
935.9	5	-0.8	3.3	283.85		99.3	2.9	0.3	3.6	27.50	
					5.90						**2.07**
934.6	8.6	-0.2	3.4	274.94		99.6	3.7	0.6	3.3	30.00	
933.8	6.5	-1	3.4	274.94		99.3	3.4	-1.4	3.3	30.52	
					0.00						**0.36**
934.1	6.5	-1.3	4.1	228.15		99.1	3.8	0.1	4.1	24.15	
930.1	8.1	-0.8	3.9	238.69		98.5	4	-1.3	3.6	27.72	
934.1	7.3	-1.05	4	233.79	**7.46**	98.8	3.9	-0.6	3.85	25.82	**2.53**
931.1	8	-0.6	4.8	194.10		98.4	5	-1.4	5.3	18.83	
935.1	8.3	-1.2	5.1	183.59		99.3	6.2	-0.5	5.3	18.83	
933.1	8.15	-0.9	4.95	188.69	**7.44**	98.85	5.6	-0.95	5.3	18.83	**0.00**

Obyek 5 (Udara)					
HU	SD	BG	SD BG	SNR	SD SNR
-75.1	2.9	-1	3.6	-20.58	
-74.6	3.2	0.3	3.4	-22.03	
					1.02
-74.7	3.6	-0.1	4.0	-18.65	
-75.2	3.4	-0.9	4.1	-18.12	
-75.1	4.3	-0.1	4.3	-17.44	
-75.1	3.9	-1	4.2	-17.64	
-75.1	4.1	-0.55	4.25	-17.54	**0.14**
-75.3	5.6	-0.6	4.8	-15.56	
-75.6	6	-1.2	4.9	-15.18	
-75.45	5.8	-0.9	4.85	-15.37	**0.27**

- **Nilai Homogenitas CT Number dan Noise Terhadap Perubahan Faktor Eksposi**

No	Faktor Eksposi		CTDI vol (mGy)	Homogenitas CT Number										
	kV	mAs		Area (mmsq)	CT Pusat		CT Tepi							
					HU	SD	Jam 12		Jam 3		Jam 6		Jam 9	
							HU	SD	HU	SD	HU	SD	HU	SD
1	100	300	24.6	2077.2	-0.90	3.25	-1.65	3.10	-1.45	3.05	-1.15	3.15	-1.50	3.00
2	100	250	20.5	2067.7	-0.75	3.65	-1.3	3.4	-1.2	3.3	-1.15	3.3	-1.2	3.35
3	100	200	16.4	2081.2	-0.35	4.1	-1.55	3.75	-1.4	3.75	-1.1	3.7	-1.4	3.75
4	100	100	8.2	2092.9	-0.6	5.8	-1.45	5.4	-1.2	5.3	-1.05	5.4	-1.3	5.25

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Lampiran 4

Hasil ROI pada Phantom dengan Variasi kV dan mAs

- **Homogenitas CT Number pusat**

  Pada kV 80 dengan variasi mAs

No	Faktor Eksposi		CTDI vol (mGy)	Homogenitas CT Number											
				Area (mmsq)	CT Pusat		CT Tepi							
	kV	mAs			HU	SD	Jam 12		Jam 3		Jam 6		Jam 9	
							HU	SD	HU	SD	HU	SD	HU	SD
1	80	300	12.3	2077.2	-0.9	5.0	-1.3	4.9	-0.9	5.0	-1.0	4.9	-1.2	4.9
				2077.2	-0.9	5.0	-1.0	4.9	-0.7	5.1	-1.1	4.9	-0.9	5.0
	Average				**-0.90**	**5.00**	**-1.15**	**4.90**	**-0.80**	**5.05**	**-1.05**	**4.90**	**-1.05**	**4.95**
2	80	250	10.2	2067.7	-0.7	5.7	-1.0	5.3	-0.9	5.3	-0.9	5.4	-1.0	5.2
				2067.7	-0.6	5.7	-1.4	5.4	-1.1	5.2	-0.8	5.4	-1.1	5.2
	Average				**-0.65**	**5.70**	**-1.20**	**5.35**	**-1.00**	**5.25**	**-0.85**	**5.40**	**-1.05**	**5.20**
3	80	200	8.2	2081.2	-0.4	6.5	-1.3	6.2	-1.1	5.9	-0.8	5.8	-1.2	5.8
				2081.2	-0.2	6.5	-0.9	6.1	-1.3	6.0	-1.1	5.9	-1.2	5.7
	Average				**-0.3**	**6.5**	**-1.1**	**6.2**	**-1.2**	**6.0**	**-1.0**	**5.9**	**-1.2**	**5.8**
4	80	100	4.1	2092.9	1.4	9.5	-0.7	8.1	-0.4	8.4	-0.3	8.4	-0.4	8.7
				2092.9	1.9	9.9	-0.6	8.4	-0.2	8.5	-0.2	8.2	-0.7	8.4
	Average				**1.7**	**9.7**	**-0.7**	**8.3**	**-0.3**	**8.5**	**-0.3**	**8.3**	**-0.6**	**8.6**

- **SNR pada objek**

Area (mmsq)	Obyek 1 (Lexan)						Obyek 2 (Perspex)					
	HU	SD	BG	SD BG	SNR	SD SNR	HU	SD	BG	SD BG	SNR	SD SNR
299.0	85.9	5.3	-1.6	5.0	17.50		116.2	5.4	-1.4	4.8	24.5	
299.0	84.9	5.3	-1.9	4.7	18.47		115.3	5.5	-1.5	4.5	25.96	
Average	85.4	5.3	-1.75	4.85	**17.98**	**0.68**	115.75	5.45	-1.45	4.65	**25.23**	**1.03**
299.0	85.3	5.9	-1.2	5.2	16.63		115.8	6.0	-1.2	5.5	21.27	
299.0	84.9	5.4	-1.1	5.3	16.23		115.5	5.5	-1.5	5.5	21.27	
Average	85.1	5.65	-1.15	5.25	**16.43**	**0.29**	115.65	5.75	-1.35	5.5	**21.273**	**0.00**
295.8	85.0	6.6	-1.3	5.6	15.41		115.6	7.0	-2.0	5.9	19.93	
295.8	84.7	6.4	-1.8	5.3	16.32		114.8	6.9	-1.6	5.8	20.07	
Average	84.9	6.5	-1.6	5.5	**15.9**	**0.64**	115.2	6.95	-1.8	5.85	**20.00**	**0.10**
296.5	85.9	9.7	-0.9	7.6	11.42		117.2	10.7	-0.8	7.2	16.39	
296.5	85.9	9.3	-0.8	8.3	10.45		116.5	8.8	-1.5	9.0	13.11	
Average	85.9	9.5	-0.85	7.95	**10.933**	**0.69**	116.85	9.75	-1.15	8.1	**14.75**	**2.32**

Obyek 3 (Teflon)						Obyek 4 (Polyethelene)					
HU	SD	BG	SD BG	SNR	SD SNR	HU	SD	BG	SD BG	SNR	SD SNR
1006.5	6.7	-0.6	5.0	201.42		86.6	5.2	-1.1	4.7	18.66	
1004.3	7.9	-1.3	4.9	205.22		85.5	5.6	-1.0	5.1	16.96	
1005.4	7.3	-0.95	4.95	203.30	**2.69**	86.05	5.4	-1.05	4.9	17.78	**1.20**
1007.8	7.7	-1.5	5.0	201.86		86.7	6.0	-0.6	5.0	17.46	
1006.4	8.9	-0.9	5.8	173.67		85.5	5.4	-0.2	5.5	15.58	
1007.1	8.3	-1.2	5.4	186.72	**19.93**	86.1	5.7	-0.4	5.25	16.48	**1.33**
1007.2	8.6	-1.4	5.5	183.38		85	6.1	-0.9	6.1	14.08	
1003.2	8.6	-1.6	5.5	182.69		84.8	6.5	-1.1	6.0	14.32	
1005.2	8.6	-1.5	5.5	183.04	**0.49**	84.9	6.3	-1.0	6.05	14.20	**0.17**
1016.8	13.9	-1.1	8.8	115.67		86.8	9.7	-0.3	7.8	11.17	
1011.0	12.8	-1.5	8.9	113.76		86.4	9.0	0.5	8.0	10.74	
1013.9	13.35	-1.3	8.85	114.71	**1.35**	86.6	9.35	0.1	7.9	10.95	**0.30**

Obyek 5 (Udara)					
HU	SD	BG	SD BG	SNR	SD SNR
-92.0	5.2	-1.1	5.0	-18.18	
-92.6	4.6	-0.7	4.7	-19.55	
92.3	-4.9	0.9	-4.9	-18.85	**0.97**
-91.8	5.7	-1.5	5.0	-18.06	
-92.8	5.6	-1.5	5.9	-15.47	
-92.3	5.65	-1.5	5.45	-16.66	**1.83**
-92.6	6.3	0.2	7.3	-12.71	
-92.8	6.3	0.3	6.8	-13.69	
-92.7	6.3	0.25	7.05	-13.18	**0.69**
-92.3	9.2	2.0	11.1	-8.50	
-92.4	9.1	1.8	10.5	-8.97	
-92.35	9.15	1.9	10.8	-8.73	**0.34**

- **Nilai Homogenitas CT Number dan Noise Terhadap Perubahan Faktor Eksposi**

No	Faktor Eksposi		CTDI vol (mGy)	Homogenitas CT Number									
	kV	mAs		Area (mmsq)	CT Pusat		CT Tepi						
					HU	SD	Jam 12		Jam 3		Jam 6		Jam 9	
							HU	SD	HU	SD	HU	SD	HU	SD
1	80	300	12.3	2077.2	-0.9	5.0	-1.15	4.9	-0.8	5.05	-1.05	4.9	-1.05	4.95
2	80	250	10.2	2067.7	-0.65	5.7	-1.2	5.35	-1.0	5.25	-0.85	5.4	-1.05	5.2
3	80	200	8.2	2081.2	-0.3	6.5	-1.1	6.15	-1.2	5.95	-0.95	5.85	-1.2	5.75
4	80	100	4.1	2092.9	1.65	9.7	-0.65	8.25	-0.3	8.45	-0.25	8.3	-0.55	8.55

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Lampiran 5

- **Nilai SNR pada Objek LEXAN dengan variasi kV dan mAs**

No	kV	mAs							
		100		200		250		300	
		SNR	SD	SNR	SD	SNR	SD	SNR	SD
1	80	10.93	0.69	15.9	0.64	16.43	0.29	17.98	0.68
2	100	20.21	1.79	26.5	0.1	30.2	1.53	35.08	0.7
3	120	27.604	0.71	39.8	1.14	45.02	1.38	50.5	0.3
4	140	36.93	0.09	48.1	0.03	52.76	3.59	53.62	2.16

	100 mAs	200 mAs	250 mAs	300 mAs
80	10.93	15.9	16.43	17.98
100	20.21	26.5	30.2	35.08
120	27.604	39.8	45.02	50.5
140	36.93	48.1	52.76	53.62

- **Nilai SNR pada Objek PERSPEX dengan variasi kV dan mAs**

No	kV	mAs							
		100		200		250		300	
		SNR	SD	SNR	SD	SNR	SD	SNR	SD
1	80	14.75	1.03	20	0.1	21.273	0	25.23	1.03
2	100	23.02	2.14	34.73	4	39.98	1.61	44.99	3.42
3	120	33.99	0.02	49.05	2.81	56.51	1.61	59.07	1.83
4	140	44.94	4.98	58.11	1.75	64.93	0.17	74.02	2.64

	100 mAs	200 mAs	250 mAs	300 mAs
80	14.75	20	21.273	25.23
100	23.02	34.73	39.98	44.99
120	33.99	49.05	56.51	59.07
140	44.94	58.11	64.93	74.02

Lampiran 6

DATA PASIEN CT

DATA PASIEN CT SCAN

NO	NAMA PASIEN	UMUR	SLICE	THICKNESS	kV	mAs	ROI (Xa) AREA (cm)	ROI (Xa) MEAN	ROI (Xa) STDEV	BG (Xb) AREA	BG (Xb) MEAN	BG (Xb) STDEV	SNR	SNR Rerata	STD Dev	CTDI Vol (mGy)	DLP (mGy x cm)
1	AN. SHALSA ZAELANI PUTRI	3 th	1	5	100	250	0.21	24.540	3.778	0.207	29.87	3.01	1.77	2.16	1.92	20.50	312.70
			2	5	100	250	0.21	26.160	3.897	0.207	28.21	4.23	0.48				
			3	5	100	250	0.21	26.020	3.272	0.207	22.06	3.08	1.29				
			4	5	100	250	0.21	23.940	3.005	0.207	28.46	4.54	0.99				
			5	5	100	250	0.21	22.360	4.462	0.207	35.61	2.30	5.77				
			6	5	100	250	0.21	23.630	4.205	0.207	31.67	3.04	2.64				
2	AN. HALBI	6 bln	1	5	100	250	0.20	32.500	4.942	0.202	30.49	3.70	0.54	0.98	0.71	20.50	743.70
			2	5	100	250	0.20	31.610	4.877	0.202	28.30	2.89	1.14				
			3	5	100	250	0.20	30.170	4.039	0.202	36.26	5.45	1.12				
			4	5	100	250	0.20	26.220	4.123	0.202	36.17	4.65	2.14				
			5	5	100	250	0.20	29.300	2.833	0.202	23.49	6.60	0.88				
			6	5	100	250	0.20	28.830	3.637	0.202	29.09	8.27	0.03				
3	AN. AISYAH KIRANIA	2 th	1	5	100	300	0.21	28.260	1.645	0.207	36.08	1.49	5.26	2.82	2.31	23.60	523.70
			2	5	100	300	0.21	28.050	1.652	0.207	35.26	1.21	5.97				
			3	5	100	300	0.21	25.580	1.422	0.207	23.73	3.25	0.57				
			4	5	100	300	0.21	28.010	0.966	0.207	22.40	3.34	1.68				
			5	5	100	300	0.21	31.410	1.411	0.207	39.64	3.06	2.69				
			6	5	100	300	0.21	30.400	2.277	0.207	34.26	5.28	0.73				
4	AN. ALDEBARAN YUDHISTIRA	1,2 th	1	5	120	300	0.20	28.260	1.419	0.204	28.69	2.55	0.17	2.96	1.70	40.40	880.90
			2	5	120	300	0.20	28.540	1.831	0.204	21.87	1.51	4.43				
			3	5	120	300	0.20	23.610	2.176	0.204	40.19	4.36	3.80				
			4	5	120	300	0.20	20.380	1.726	0.204	48.19	7.78	3.58				
			5	5	120	300	0.20	24.960	1.789	0.204	33.67	5.48	1.59				
			6	5	120	300	0.20	24.210	2.764	0.204	42.92	4.43	4.22				
5	AN. RENDI	1,7 th	1	5	100	250	0.20	28.890	3.452	0.202	32.860	3.26	1.22	2.03	2.01	20.50	490.20
			2	5	100	250	0.20	22.480	3.949	0.202	36.640	3.12	4.54				
			3	5	100	250	0.20	21.040	3.115	0.202	20.650	5.34	0.07				
			4	5	100	250	0.20	27.200	2.489	0.202	32.100	6.22	0.79				
			5	5	100	250	0.20	30.230	3.558	0.202	36.340	6.59	0.93				
			6	5	100	250	0.20	26.870	4.012	0.202	43.470	3.60	4.62				
6	AN. ANISA	1,7 th	1	5	100	250	0.20	22.640	2.111	0.204	31.120	3.06	2.77	3.20	3.25	20.50	383.50
			2	5	100	250	0.20	21.500	1.484	0.204	21.820	2.40	0.13				
			3	5	100	250	0.20	21.120	1.809	0.204	38.360	4.42	3.90				
			4	5	100	250	0.20	24.000	2.170	0.204	32.320	6.48	1.28				
			5	5	100	250	0.20	22.780	2.777	0.204	32.740	5.54	1.80				
			6	5	100	250	0.20	34.900	3.270	0.204	23.710	1.21	9.29				
7	BY.NY DEWI KURNIASARI	1,3 th	1	5	100	250	0.21	35.830	3.047	0.209	35.340	2.20	0.22	2.90	2.23	20.50	376.20
			2	5	100	250	0.21	36.680	2.071	0.209	41.330	7.01	0.66				
			3	5	100	250	0.21	32.330	3.623	0.209	50.760	6.65	2.77				
			4	5	100	250	0.21	27.820	5.259	0.209	44.900	5.75	2.97				
			5	5	100	250	0.21	28.350	5.149	0.209	48.690	3.58	5.68				
			6	5	100	250	0.21	26.860	4.239	0.209	50.020	4.52	5.12				
8	AN. AIDA SAFITRI	1,7 th	1	5	120	200	0.20	28.260	2.615	0.202	32.520	3.22	1.32	1.27	0.84	23.70	454.30
			2	5	120	200	0.20	28.430	2.317	0.202	35.060	2.65	2.50				
			3	5	120	200	0.20	29.700	2.202	0.202	30.340	2.09	0.31				
			4	5	120	200	0.20	27.590	2.139	0.202	26.050	2.24	0.69				
			5	5	120	200	0.20	26.530	2.719	0.202	24.180	2.94	0.80				
			6	5	120	200	0.20	23.940	3.121	0.202	31.500	3.77	2.01				
9	AN. M EVANO PRASETYA	8 bln	1	5	100	300	0.20	29.230	1.666	0.202	35.030	1.99	2.92	3.16	2.80	23.60	475.90
			2	5	100	300	0.20	29.280	1.269	0.202	35.590	1.07	5.92				
			3	5	100	300	0.20	24.990	2.558	0.202	31.280	3.29	1.91				
			4	5	100	300	0.20	26.030	1.969	0.202	53.210	3.80	7.16				
			5	5	100	300	0.20	27.590	1.698	0.202	24.640	6.86	0.43				
			6	5	100	300	0.20	26.810	3.265	0.202	22.760	6.57	0.62				
10	AN. AGHATA KLARISA	6 bln	1	5	120	158	0.21	28.920	1.804	0.207	32.950	2.43	1.66	1.96	0.96	19.90	373.50
			2	5	120	158	0.21	27.710	2.629	0.207	32.960	3.74	1.41				
			3	5	120	158	0.21	24.400	2.557	0.207	29.600	4.83	1.08				
			4	5	120	158	0.21	22.650	1.880	0.207	38.820	11.40	1.42				
			5	5	120	158	0.21	27.730	2.283	0.207	39.830	4.68	2.59				
			6	5	120	158	0.21	29.290	3.658	0.207	45.750	4.57	3.60				
11	AN. INARA KHANZA	1,5 th	1	5	120	200	0.20	30.710	2.711	0.203	34.480	2.51	1.50	2.59	1.48	24.30	529.00
			2	5	120	200	0.20	25.960	2.623	0.203	33.750	2.43	3.21				
			3	5	120	200	0.20	21.780	2.075	0.203	36.850	4.18	3.60				
			4	5	120	200	0.20	24.680	2.337	0.203	25.230	8.07	0.07				
			5	5	120	200	0.20	27.050	3.263	0.203	39.240	3.30	3.70				
			6	5	120	200	0.20	28.780	2.562	0.203	35.870	2.04	3.48				
12	AN. REVAN ALVARO	3,5 th	1	5	120	300	0.20	25.800	2.031	0.202	31.480	2.23	2.55	2.17	1.91	40.40	880.70
			2	5	120	300	0.20	22.080	3.746	0.202	33.330	2.06	5.47				
			3	5	120	300	0.20	22.080	1.616	0.202	21.990	4.20	0.02				
			4	5	120	300	0.20	23.790	2.346	0.202	28.230	7.12	0.62				
			5	5	120	300	0.20	28.430	2.863	0.202	36.910	3.48	2.44				
			6	5	120	300	0.20	27.700	2.073	0.202	35.950	4.33	1.90				
13	AN. NAISHA AINANDA	1 th	1	5	120	167	0.21	23.240	2.522	0.208	28.970	2.10	2.72	3.06	0.89	21.50	420.90
			2	5	120	167	0.21	19.630	2.224	0.208	27.450	3.43	2.28				
			3	5	120	167	0.21	25.930	2.042	0.208	34.140	2.11	3.90				
			4	5	120	167	0.21	27.200	2.139	0.208	39.340	2.81	4.32				
			5	5	120	167	0.21	26.620	2.966	0.208	34.620	3.78	2.12				
			6	5	120	167	0.21	27.880	2.610	0.208	39.410	3.84	3.00				
14	AN. UMDATUL ALAWIYAH	1,7 th	1	5	120	200	0.21	26.960	2.533	0.209	26.790	3.16	0.05	1.76	1.39	19.40	386.60
			2	5	120	200	0.21	27.560	2.325	0.209	27.940	3.19	0.12				
			3	5	120	200	0.21	26.530	2.357	0.209	33.060	2.81	2.32				
			4	5	120	200	0.21	26.220	3.327	0.209	34.800	3.10	2.76				
			5	5	120	200	0.21	23.330	2.961	0.209	36.260	6.85	1.89				
			6	5	120	200	0.21	25.490	3.894	0.209	42.320	4.91	3.43				
15	AN. SINTA RAMDAN	1,2 th	1	5	120	300	0.20	30.440	1.318	0.205	29.370	1.79	0.60	1.89	1.03	40.40	783.80
			2	5	120	300	0.20	30.270	1.680	0.205	34.590	2.01	2.14				
			3	5	120	300	0.20	28.390	2.052	0.205	31.440	3.33	0.92				
			4	5	120	300	0.20	20.340	1.048	0.205	32.280	3.87	3.08				
			5	5	120	300	0.20	22.350	2.189	0.205	38.120	5.33	2.96				
			6	5	120	300	0.20	26.460	2.718	0.205	35.270	5.31	1.66				

16	AN. HAGIA SOPHIA RAHMAN	2 th	1	5	120	200	0.20	24.620	3.533	0.202	24.430	3.92	0.05	1.42	1.66	23.20	463.20
			2	5	120	200	0.20	26.400	2.257	0.202	29.130	3.41	0.80				
			3	5	120	200	0.20	25.480	3.496	0.202	26.830	2.58	0.52				
			4	5	120	200	0.20	28.250	2.069	0.202	28.500	2.47	0.10				
			5	5	120	200	0.20	26.710	1.877	0.202	34.530	2.16	3.63				
			6	5	120	200	0.20	24.330	2.107	0.202	31.030	1.96	3.43				
17	AN. MUHAMMAD AL FATTAH	1,5th	1	5	120	126	0.20	28.510	2.274	0.200	26.670	2.19	0.84	2.07	1.39	21.80	872.20
			2	5	120	126	0.20	28.790	2.794	0.200	32.900	2.05	2.00				
			3	5	120	126	0.20	27.820	3.329	0.200	32.030	2.41	1.74				
			4	5	120	126	0.20	22.920	2.980	0.200	32.630	2.51	3.86				
			5	5	120	126	0.20	25.240	3.936	0.200	33.330	2.29	3.53				
			6	5	120	126	0.20	27.200	2.131	0.200	30.420	7.71	0.42				
18	AN. M.ADZRIEL AL FARIZI	1 th	1	5	100	250	0.20	30.400	2.768	0.204	35.510	2.66	1.92	1.59	0.66	20.50	383.60
			2	5	100	250	0.20	29.820	2.589	0.204	35.090	2.93	1.80				
			3	5	100	250	0.20	25.250	2.464	0.204	45.310	8.01	2.50				
			4	5	100	250	0.20	27.500	2.163	0.204	24.360	5.58	0.56				
			5	5	100	250	0.20	29.750	2.709	0.204	35.050	4.18	1.27				
			6	5	100	250	0.20	31.490	2.941	0.204	39.820	5.65	1.47				
19	AN. IKEN	3 th	1	5	120	300	0.21	28.870	2.017	0.207	33.140	3.94	1.08	0.65	0.38	40.40	1.004.60
			2	5	120	300	0.21	27.690	2.413	0.207	31.270	9.21	0.39				
			3	5	120	300	0.21	25.940	3.410	0.207	38.030	11.51	1.05				
			4	5	120	300	0.21	29.490	3.940	0.207	35.450	12.34	0.48				
			5	5	120	300	0.21	31.260	2.346	0.207	38.230	9.02	0.77				
			6	5	120	300	0.21	33.330	2.178	0.207	30.840	18.33	0.14				
20	AN. ASHFA	1 th	1	5	100	250	0.20	36.500	2.840	0.203	32.380	3.06	1.35	1.05	0.70	20.50	
			2	5	100	250	0.20	31.630	3.284	0.203	35.310	3.16	1.16				
			3	5	100	250	0.20	34.470	3.185	0.203	38.510	2.72	1.49				
			4	5	100	250	0.20	34.430	3.340	0.203	39.200	2.52	1.90				
			5	5	100	250	0.20	38.130	2.345	0.203	37.520	3.79	0.16				
			6	5	100	250	0.20	39.050	2.969	0.203	37.820	4.95	0.25				
21	AN. AQILA ANGGRAINI	3 th	1	5	100	300	0.20	30.300	3.320	0.201	38.200	6.38	1.24	0.97	0.61	23.60	535.20
			2	5	100	300	0.20	29.570	3.332	0.201	38.300	13.22	0.66				
			3	5	100	300	0.20	29.570	3.866	0.201	38.490	4.58	1.95				
			4	5	100	300	0.20	29.640	3.410	0.201	33.660	10.55	0.38				
			5	5	100	300	0.20	26.370	3.590	0.201	35.140	7.33	1.20				
			6	5	100	300	0.20	30.770	3.242	0.201	37.060	16.48	0.38				
22	AN. M RAFIF HABIBI	3 th	1	5	120	300	0.20	27.080	2.161	0.203	35.630	2.06	4.16	1.04	1.57	40.40	955.70
			2	5	120	300	0.20	27.140	2.574	0.203	23.160	4.17	0.95				
			3	5	120	300	0.20	33.700	2.475	0.203	27.900	7.41	0.78				
			4	5	120	300	0.20	35.430	2.355	0.203	37.190	9.52	0.18				
			5	5	120	300	0.20	32.440	2.074	0.203	34.550	16.25	0.13				
			6	5	120	300	0.20	35.740	2.398	0.203	35.420	11.89	0.03				
23	AN. RADIKA ARSHAQ FAHREZI	3 th	1	5	120	300	0.20	32.070	2.769	0.201	36.890	4.38	1.10	0.77	0.33	40.40	2842.50
			2	5	120	300	0.20	27.710	2.302	0.201	23.190	5.49	0.82				
			3	5	120	300	0.20	26.890	2.276	0.201	36.590	8.05	1.20				
			4	5	120	300	0.20	30.910	2.089	0.201	35.860	11.50	0.43				
			5	5	120	300	0.20	32.420	2.712	0.201	39.780	12.96	0.57				
			6	5	120	300	0.20	31.460	2.886	0.201	28.500	6.23	0.48				
24	AN. JENI SALMA AQILA	1 th	1	5	120	300	0.21	29.410	1.106	0.208	31.950	2.85	0.89	0.44	0.23	40.40	1490.00
			2	5	120	300	0.21	23.980	1.146	0.208	20.650	11.44	0.29				
			3	5	120	300	0.21	31.630	2.538	0.208	33.490	6.49	0.29				
			4	5	120	300	0.21	29.910	2.054	0.208	34.200	10.52	0.41				
			5	5	120	300	0.21	32.520	2.560	0.208	39.080	17.08	0.38				
			6	5	120	300	0.21	30.900	2.966	0.208	38.260	18.72	0.39				
25	AN. M. PIAR ALPARIJA	6 bln	1	5	120	148	0.20	27.190	2.226	0.203	29.720	2.06	1.23	0.83	0.27	18.80	369.90
			2	5	120	148	0.20	26.480	2.871	0.203	28.270	4.60	0.39				
			3	5	120	148	0.20	24.580	2.375	0.203	30.210	7.21	0.78				
			4	5	120	148	0.20	28.400	2.181	0.203	35.740	7.89	0.93				
			5	5	120	148	0.20	28.890	3.323	0.203	36.110	9.59	0.75				
			6	5	120	148	0.20	28.690	2.140	0.203	35.900	8.20	0.88				
26	AN. SITI NUR ALIFAH	2 th	1	5	120	300	0.21	28.020	2.846	0.205	37.400	2.13	4.40	1.03	1.68	40.40	846.80
			2	5	120	300	0.21	24.730	2.127	0.205	23.620	4.36	0.25				
			3	5	120	300	0.21	32.090	2.113	0.205	38.400	6.56	0.96				
			4	5	120	300	0.21	33.770	2.779	0.205	31.650	5.60	0.38				
			5	5	120	300	0.21	33.380	2.397	0.205	33.970	9.95	0.06				
			6	5	120	300	0.21	32.040	2.023	0.205	30.910	7.82	0.14				
27	AN. SYAQILA KHOERUNNISA	1,5 th	1	5	120	200	0.20	23.120	2.139	0.201	30.150	2.59	2.72	1.57	1.24	20.60	511.80
			2	5	120	200	0.20	23.350	2.054	0.201	25.840	4.04	0.62				
			3	5	120	200	0.20	24.040	2.150	0.201	37.290	4.12	3.22				
			4	5	120	200	0.20	25.520	2.784	0.201	36.000	5.39	1.94				
			5	5	120	200	0.20	28.450	2.331	0.201	30.050	11.96	0.13				
			6	5	120	200	0.20	26.780	2.993	0.201	36.620	11.96	0.82				
28	AN. M. NABIL MASHURY	11 bln	1	5	120	200	0.20	28.930	2.793	0.204	33.070	3.72	1.11	1.78	1.21	20.10	459.70
			2	5	120	200	0.20	25.630	2.473	0.204	29.430	3.26	1.17				
			3	5	120	200	0.20	27.650	2.352	0.204	20.540	3.94	1.80				
			4	5	120	200	0.20	26.150	2.856	0.204	25.390	3.35	0.23				
			5	5	120	200	0.20	31.410	2.551	0.204	47.840	4.77	3.44				
			6	5	120	200	0.20	32.380	2.943	0.204	46.490	4.84	2.92				
29	AN. MUHAMMAD EJAR	2 th	1	5	120	200	0.20	25.140	2.548	0.201	33.550	2.31	3.64	3.44	1.16	23.30	525.00
			2	5	120	200	0.20	20.690	3.106	0.201	43.780	6.41	3.60				
			3	5	120	200	0.20	24.000	2.321	0.201	33.040	5.93	1.52				
			4	5	120	200	0.20	27.710	2.480	0.201	44.410	5.83	2.87				
			5	5	120	200	0.20	29.810	2.353	0.201	47.470	4.35	4.06				
			6	5	120	200	0.20	25.980	2.900	0.201	48.680	4.60	4.94				
30	AN. ZAKARIA SUHERMAN	4 th	1	5	120	200	0.20	28.020	2.139	0.201	25.700	2.70	0.86	2.69	1.46	26.90	1330.60
			2	5	120	200	0.20	30.930	2.091	0.201	46.530	3.20	4.87				
			3	5	120	200	0.20	30.990	2.418	0.201	49.250	4.75	3.85				
			4	5	120	200	0.20	30.050	2.661	0.201	43.310	5.06	2.62				
			5	5	120	200	0.20	29.800	3.074	0.201	38.700	5.33	1.67				
			6	5	120	200	0.20	32.440	2.200	0.201	46.260	6.05	2.28				
31	AN. NAJRIL	4 th	1	5	100	300	0.21	21.180	3.716	0.205	28.550	5.26	1.40	3.40	1.29	21.70	618.50
			2	5	100	300	0.21	27.040	4.565	0.205	45.300	4.39	4.16				
			3	5	100	300	0.21	18.950	3.298	0.205	37.830	4.54	4.16				
			4	5	100	300	0.21	20.320	3.448	0.205	38.340	3.68	4.90				
			5	5	100	300	0.21	23.880	3.021	0.205	38.040	4.21	3.37				
			6	5	100	300	0.21	20.860	2.367	0.205	34.760	5.69	2.44				
32	AN. ABIZAR ALBANI AKBAR	4 th	1	5	120	300	0.21	23.410	2.343	0.207	30.030	3.10	2.14	3.18	1.54	40.40	907.60
			2	5	120	300	0.21	24.120	2.069	0.207	28.890	5.60	0.85				
			3	5	120	300	0.21	24.360	2.116	0.207	45.990	4.33	4.99				
			4	5	120	300	0.21	31.980	2.294	0.207	48.940	3.69	4.60				
			5	5	120	300	0.21	28.560	2.521	0.207	45.090	4.80	3.44				
			6	5	120	300	0.21	30.550	2.194	0.207	43.820	4.32	3.07				

Lampiran 7

- **SNR pada pons cerebri slice 1 s/d 6 pada 100 kv 250 mAs**

Pasien	SLICE	SNR	SNR RERATA	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
1	1	1.77	2.16	1.92	2.50	312.70
2		0.54	0.98	0.71	2.50	743.70
5		1.22	2.03	2.01	2.50	490.20
6		2.77	3.2	3.25	2.50	383.50
7		0.22	2.9	2.23	2.50	376.20
18		1.92	1.59	0.66	2.50	383.60
20		1.35	1.05	0.7	2.50	

Pasien	SLICE	SNR	SNR RERATA	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
1	2	0.48	2.16	1.92	2.50	312.70
2		1.14	0.98	0.71	2.50	743.70
5		4.54	2.03	2.01	2.50	490.20
6		0.13	3.2	3.25	2.50	383.50
7		0.66	2.9	2.23	2.50	376.20
18		1.8	1.59	0.66	2.50	383.60
20		1.16	1.05	0.7	2.50	

Pasien	SLICE	SNR	SNR RERATA	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
1	3	1.29	2.16	1.92	2.50	312.70
2		1.12	0.98	0.71	2.50	743.70
5		0.07	2.03	2.01	2.50	490.20
6		3.90	3.2	3.25	2.50	383.50
7		2.77	2.9	2.23	2.50	376.20
18		2.50	1.59	0.66	2.50	383.60
20		1.49	1.05	0.7	2.50	

Pasien	SLICE	SNR	SNR RERATA	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
1	4	0.99	2.16	1.92	2.50	312.70
2		2.14	0.98	0.71	2.50	743.70
5		0.79	2.03	2.01	2.50	490.20
6		1.28	3.2	3.25	2.50	383.50
7		2.97	2.9	2.23	2.50	376.20
18		0.56	1.59	0.66	2.50	383.60
20		1.90	1.05	0.7	2.50	

Pasien	SLICE	SNR	SNR RERATA	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
1	5	5.77	2.16	1.92	2.50	312.70
2		0.88	0.98	0.71	2.50	743.70
5		0.93	2.03	2.01	2.50	490.20
6		1.80	3.2	3.25	2.50	383.50
7		5.68	2.9	2.23	2.50	376.20
18		1.27	1.59	0.66	2.50	383.60
20		0.16	1.05	0.7	2.50	

Pasien	SLICE	SNR	SNR RERATA	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
1	6	2.64	2.16	1.92	2.50	312.70
2		0.03	0.98	0.71	2.50	743.70
5		4.62	2.03	2.01	2.50	490.20
6		9.29	3.2	3.25	2.50	383.50
7		5.12	2.9	2.23	2.50	376.20
18		1.47	1.59	0.66	2.50	383.60
20		0.25	1.05	0.7	2.50	

- **SNR pada pons cerebri slice 1 s/d 6 pada 120 kv 250 mAs**

Pasien	SLICE	SNR	STD Dev	CTDI Vol (mGy)	DLP (mGy x cm)
8	1	1.3	1.24	23.70	454.3
11		1.5		24.30	529.0
14		0.1		19.40	386.6
16		0.1		23.20	463.2
27		2.7		20.60	511.8
28		1.1		20.10	459.7
29		3.6		23.30	525
30		0.9		26.90	1330.6

Pasien	SLICE	SNR	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
8	2	2.5	1.37	23.70	454.3
11		3.2		24.30	529.0
14		0.1		19.40	386.6
16		0.8		23.20	463.2
27		0.6		20.60	511.8
28		1.2		20.10	459.7
29		3.6		23.30	525
30		4.8		26.90	1330.6

Pasien	SLICE	SNR	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
8	3	0.3	1.25	23.70	454.3
11		3.6		24.30	529.0
14		2.3		19.40	386.6
16		0.5		23.20	463.2
27		3.2		20.60	511.8
28		1.8		20.10	459.7
29		1.5		23.30	525
30		3.9		26.90	1330.6

Pasien	SLICE	SNR	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
8	4	0.7	1.25	23.70	454.3
11		0.1		24.30	529.0
14		2.8		19.40	386.6
16		0.1		23.20	463.2
27		1.9		20.60	511.8
28		0.2		20.10	459.7
29		2.9		23.30	525
30		2.6		26.90	1330.6

Pasien	SLICE	SNR	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
8	5	0.8	1.58	23.70	454.3
11		3.7		24.30	529.0
14		1.9		19.40	386.6
16		3.6		23.20	463.2
27		0.1		20.60	511.8
28		3.4		20.10	459.7
29		4.1		23.30	525
30		1.7		26.90	1330.6

Pasien	SLICE	SNR	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
8	6	2.0	1.30	23.70	454.3
11		3.5		24.30	529.0
14		3.4		19.40	386.6
16		3.4		23.20	463.2
27		0.8		20.60	511.8
28		2.9		20.10	459.7
29		4.9		23.30	525
30		2.3		26.90	1330.6

- **SNR pada pons cerebri slice 1 s/d 6 pada 120 kv 300 mAs**

Pasien	SLICE	SNR	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
4	1	0.2	1.7	40.40	880.9
12		2.6	1.91	40.40	880.7
15		0.6	1.03	40.40	783.8
19		1.1	0.38	40.40	1004.6
22		4.2	1.57	40.40	955.7
23		1.1	0.33	40.40	2842.5
24		0.9	0.23	40.40	1490.0
26		4.4	1.68	40.40	846.8
32		2.1	1.54	40.40	907.6

Pasien	SLICE	SNR	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
4	2	4.4	1.7	40.40	880.9
12		5.5	1.91	40.40	880.7
15		2.1	1.03	40.40	783.8
19		0.4	0.38	40.40	1004.6
22		1.0	1.57	40.40	955.7
23		0.8	0.33	40.40	2842.5
24		0.3	0.23	40.40	1490.0
26		0.3	1.68	40.40	846.8
32		0.9	1.54	40.40	907.6

Pasien	SLICE	SNR	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
4	3	3.8	1.7	40.40	880.9
12		0.0	1.91	40.40	880.7
15		0.9	1.03	40.40	783.8
19		1.1	0.38	40.40	1004.6
22		0.8	1.57	40.40	955.7
23		1.2	0.33	40.40	2842.5
24		0.3	0.23	40.40	1490.0
26		1.0	1.68	40.40	846.8
32		5.0	1.54	40.40	907.6

Pasien	SLICE	SNR	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
4	4	3.6	1.7	40.40	880.9
12		0.6	1.91	40.40	880.7
15		3.1	1.03	40.40	783.8
19		0.5	0.38	40.40	1004.6
22		0.2	1.57	40.40	955.7
23		0.4	0.33	40.40	2842.5
24		0.4	0.23	40.40	1490.0
26		0.4	1.68	40.40	846.8
32		4.6	1.54	40.40	907.6

Pasien	SLICE	SNR	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
4	5	1.6		40.40	880.9
12		2.4		40.40	880.7
15		3.0		40.40	783.8
19		0.8		40.40	1004.6
22		0.1		40.40	955.7
23		0.6		40.40	2842.5
24		0.4		40.40	1490.0
26		0.1		40.40	846.8
32		3.4		40.40	907.6

Pasien	SLICE	SNR	ST DEV	CTDI Vol (mGy)	DLP (mGy x cm)
4	6	4.2		40.40	880.9
12		1.9		40.40	880.7
15		3.0		40.40	783.8
19		0.8		40.40	1004.6
22		0.0		40.40	955.7
23		0.5		40.40	2842.5
24		0.4		40.40	1490.0
26		0.1		40.40	846.8
32		3.1		40.40	907.6


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