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LAMPIRAN

Lampiran 1. Exposure kV Pada Phantom Pro-Fluoro Aturan 10 kVp



Lampiran 2. Exposure kV Pada Phantom Pro-Fluoro Aturan 15% kVp



Lampiran 3. Exposure kV Pada Phantom *Anthropomorphic Pelvis* Aturan 10 kVpLampiran 4. Exposure Pada Phantom *Anthropomorphic Pelvis* Aturan 15% kVp

Lampiran 5. Data Mentah Pengukuran SNR

PERCOBAAN SNR 1

	Label	Area	Mean	StdDev	Min	Max
1	P 15% - 51 kv 64 mas (1):2051-1828	61.580	1446.719	100.005	1094	1888
2	P 15% - 60 kv 32 mas (1):2100-1841	65.820	1468.031	67.413	1190	1728
3	P 15% - 69 kv 16 mas (1):2069-1876	57.360	1373.585	54.940	1199	1573

PERCOBAAN SNR 2

	Label	Area	Mean	StdDev	Min	Max
1	P 15% - 51 kv 64 mas (2):2079-1872	51.600	1396.302	88.802	1089	1856
2	P 15% - 60 kv 32 mas (2):2070-1911	53.300	1434.500	69.373	1202	1701
3	P 15% - 69 kv 16 mas (2):2058-1849	57.340	1381.153	55.863	1206	1584

PERCOBAAN SNR 1

	Label	Area	Mean	StdDev	Min	Max
1	P 10 - 50 kv 64 mas (1):2096-1926	59.440	1375.200	94.365	1025	1750
2	P 10 - 60 kv 32 mas (1):2102-1840	57.360	1468.586	67.660	1190	1728
3	P 10 - 70 kv 16 mas (1):2108-1852	49.660	1270.537	36.163	1123	1398

PERCOBAAN SNR 2

	Label	Area	Mean	StdDev	Min	Max
1	P 10 - 50 kv 64 mas (2):2070-1879	53.300	1382.720	92.700	1087	1705
2	P 10 - 60 kv 32 mas (2):2068-1908	59.440	1436.202	69.406	1202	1728
3	P 10 - 70 kv 16 mas (2):2058-1883	67.880	1239.433	33.039	1126	1362

Lampiran 6. Data Mentah Pengukuran CNR

PERCOBAAN CNR 1

	Label	Area	Mean	StdDev	Min	Max
1	P 10 - 50 kv 64 mas (1):2061-1528	32.200	2299.929	101.664	1880	2587
2	P 10 - 50 kv 64 mas (1):1971-1607	41.880	1709.345	108.113	1392	2156
3	P 10 - 60 kv 32 mas (1):2063-1441	29.320	2138.295	71.783	1897	2397
4	P 10 - 60 kv 32 mas (1):1970-1516	39.680	1613.073	73.146	1358	1915
5	P 10 - 70 kv 16 mas (1):2063-1453	31.080	1527.600	38.705	1398	1652
6	P 10 - 70 kv 16 mas (1):1970-1517	38.520	1285.908	35.306	1164	1416

Results

	Label	Area	Mean	StdDev	Min	Max
1	P 10 - 50 kv 64 mas (2):2016-1480	35.320	2307.984	98.591	1983	2694
2	P 10 - 50 kv 64 mas (2):1927-1557	44.160	1715.952	117.157	1312	2134
3	P 10 - 60 kv 32 mas (2):2023-1511	35.320	2114.760	78.764	1827	2364
4	P 10 - 60 kv 32 mas (2):1931-1583	44.160	1577.052	75.972	1378	1844
5	P 10 - 70 kv 16 mas (2):2010-1486	31.240	1501.047	39.519	1357	1646
6	P 10 - 70 kv 16 mas (2):1931-1562	38.560	1266.342	33.692	1151	1395

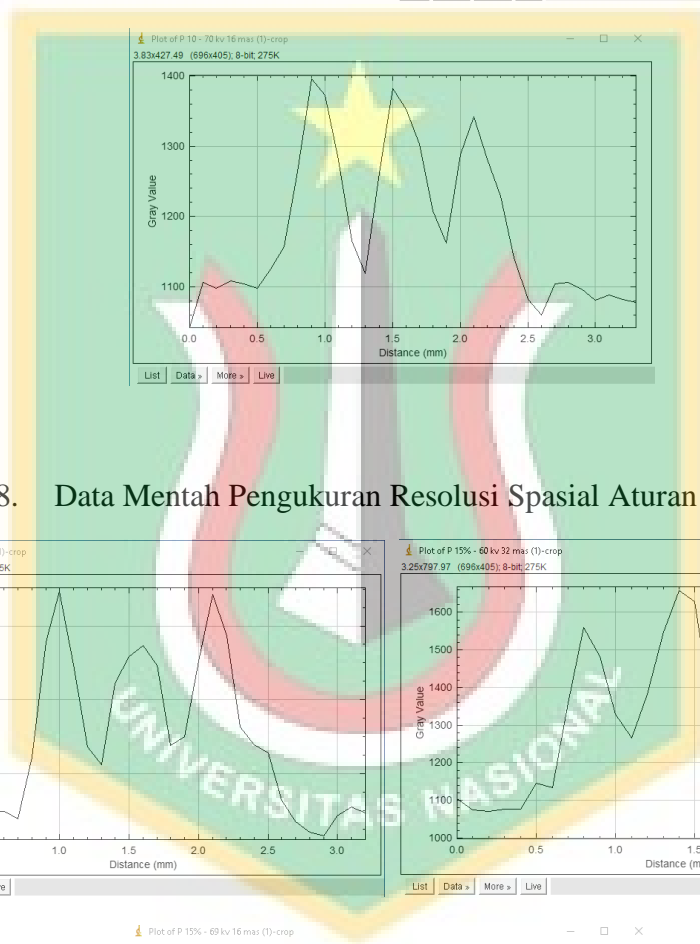
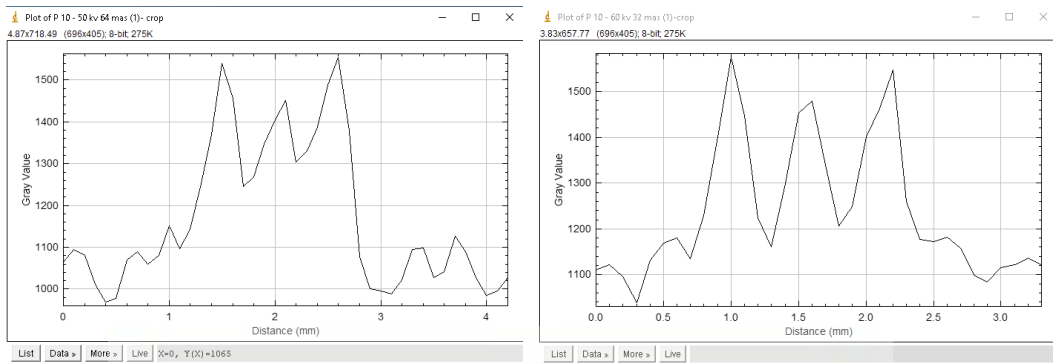
PERCOBAAN CNR 1

	Label	Area	Mean	StdDev	Min	Max
1	P 15% - 51 kv 64 mas (1):2016-1430	35.320	2394.266	95.660	2078	2706
2	P 15% - 51 kv 64 mas (1):1929-1505	39.560	1788.423	110.378	1341	2156
3	P 15% - 60 kv 32 mas (1):2063-1440	34.120	2140.541	72.691	1897	2397
4	P 15% - 60 kv 32 mas (1):1977-1516	38.560	1610.195	70.668	1358	1856
5	P 15% - 69 kv 16 mas (1):2025-1476	32.280	1843.270	60.549	1610	2064
6	P 15% - 69 kv 16 mas (1):1939-1555	35.320	1423.996	53.531	1246	1652

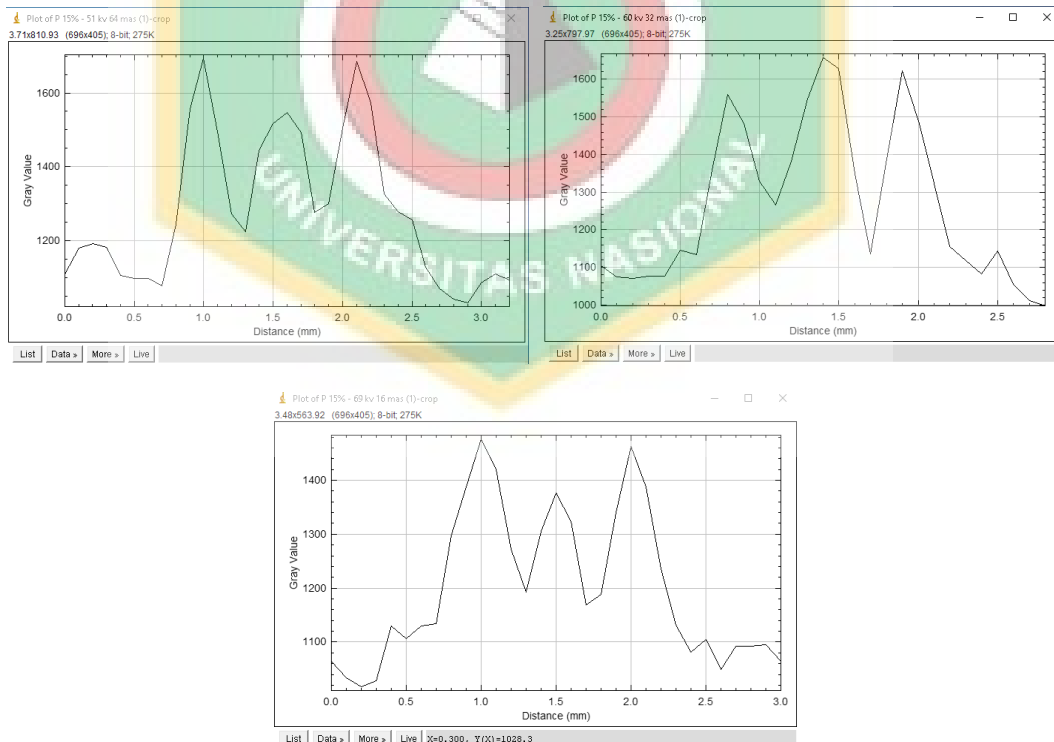
PERCOBAAN CNR 2

	Label	Area	Mean	StdDev	Min	Max
1	P 15% - 51 kv 64 mas (2):2032-1473	34.360	2290.151	92.856	1997	2544
2	P 15% - 51 kv 64 mas (2):1943-1545	37.400	1702.642	104.340	1353	2076
3	P 15% - 60 kv 32 mas (2):2023-1513	33.160	2110.834	77.652	1827	2364
4	P 15% - 60 kv 32 mas (2):1928-1588	33.080	1572.215	76.966	1378	1844
5	P 15% - 69 kv 16 mas (2):2017-1451	33.160	1848.525	56.428	1663	2032
6	P 15% - 69 kv 16 mas (2):1927-1522	34.120	1444.217	55.944	1255	1624

Lampiran 7. Data Mentah Pengukuran Resolusi Spasial Aturan 10 kVp



Lampiran 8. Data Mentah Pengukuran Resolusi Spasial Aturan 15% kVp



Lampiran 9. Form Quisioner Responden Dokter Radiologi

Lampiran

KUISIONER PENELITIAN

“Analisa Nilai Kualitas Citra Pada Phantom Pelvis dan Pro-Fluoro Dengan
Computed Radiography

Menggunakan Aturan 10 kVp dan 15% kVp”

Pengantar :

Berikut ini merupakan kuisisioner yang berkaitan dengan penelitian tugas akhir tentang menganalisa nilai kualitas citra pada phantom pelvis dan pro-fluoro dengan *Computed Radiography* menggunakan aturan 10 kVp dan 15% kVp. Oleh karena itu penulis memohon dengan hormat agar dokter bersedia meluangkan waktu untuk mengisi kuisisioner berikut ini. Atas ketersediaan dan partisipasi dokter untuk mengisi kuisisioner ini, penulis mengucapkan terima kasih.

Identitas Responden :

Nama :

Pekerjaan :

Instansi :

Petunjuk Pengisian :

Berilah tanda Lingkaran (O) pada kolom yang disediakan.

- 1 = Sangat Baik
- 2 = Baik
- 3 = Cukup
- 4 = Kurang Baik
- 5 = Sangat Kurang Baik

Lampiran 2

Kolom Pertanyaan

No.	Hasil Citra	Faktor <u>Eksposi</u> Aturan 10 <u>kVp</u>		
		50 <u>kVp</u> – 64 <u>mAs</u>	60 <u>kVp</u> – 32 <u>mAs</u>	70 <u>kVp</u> – 16 <u>mAs</u>
1.	<u>Kontras Jaringan</u> (Soft Tissue)	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
2.	<u>Struktur Organ Terlihat</u>	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
3.	<u>Struktur Tulang Terlihat</u>			
	a. <u>Sacrum</u>	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
	b. <u>Coccyx</u>	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
	c. <u>Pubic Symphysis</u>	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
	d. <u>Pubis</u>	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
	e. <u>Iliac Crest</u>	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5

No.	Hasil Citra	Faktor <u>Eksposi</u> Aturan 15% <u>kVp</u>		
		51 <u>kVp</u> – 64 <u>mAs</u>	60 <u>kVp</u> – 32 <u>mAs</u>	69 <u>kVp</u> – 16 <u>mAs</u>
1.	<u>Kontras Jaringan</u> (Soft Tissue)	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
2.	<u>Struktur Organ Terlihat</u>	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
3.	<u>Struktur Tulang Terlihat</u>			
	a. <u>Sacrum</u>	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
	b. <u>Coccyx</u>	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
	c. <u>Pubic Symphysis</u>	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
	d. <u>Pubis</u>	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5
	e. <u>Iliac Crest</u>	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5

Lampiran 10. Data Perhitungan Responden Dengan Skala Likert

1. Data Responden

No.	Nama Dokter Radiologi	Instansi
1.	dr. Ratri Diantri, Sp.Rad	RSUD Budhi Asih
2.	dr. Nur Muhammad Karim, Sp.Rad	RSUD Budhi Asih
3.	dr. Anies, Sp.Rad	RS Pusat Otak Nasional
4.	dr. Anis Nurhayati, Sp.Rad	RSAL Marinir Cilandak
5.	dr. M Irvanie R Harahap, Sp.Rad	RSPAD Gatot Subroto

2. Bobot Nilai :

Bobot Nilai	Skor Likert
Baik Sekali	5
Baik	4
Cukup	3
Kurang Baik	2
Sangat Kurang Baik	1

3. Rincian Skor :

Rumus = (Total Jumlah Responden X Angka Skor Likert)

Skor Baik Sekali	21 - 25
Skor Baik	16 - 20
Skor Cukup	11 - 15
Skor Kurang Baik	6 - 10
Skor Sangat Kurang Baik	0 - 5

4. Skor Data Responden :

No.	Hasil Citra	Faktor Eksposi Aturan 10 kVp		
		50 kVp – 64 mAs	60 kVp – 32 mAs	70 kVp – 16 mAs
1	Kontras Jaringan (Soft Tissue)	21	20	13
2	Struktur Organ Terlihat	21	20	13
3	Struktur Tulang Terlihat			
	a. Sacrum	24	19	14
	b. Coccyz	24	19	14
	c. Pubic Symphysis	24	19	14
	d. Pubis	24	19	14
	e. Lliac Crest	24	19	14

No.	Hasil Citra	Faktor Eksposi Aturan 15% kVp		
		51 kVp – 64 mAs	60 kVp – 32 mAs	69 kVp – 16 mAs
1	Kontras Jaringan (Soft Tissue)	21	20	13
2	Struktur Organ Terlihat	21	20	13
3	Struktur Tulang Terlihat			
	a. Sacrum	24	19	14
	b. Coccyz	24	19	14
	c. Pubic Symphysis	24	19	14
	d. Pubis	24	19	14
	e. Lliac Crest	24	19	14

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