

fokus besar		mA-set 200		Alat Ukur UNFORS X2		SID (cm) 100	
luas lapangan 25 cm x 25 cm		s-set 0,1					
No	kVp-set	kVp-ukur	error (%)	Nilai lolos uji	uGy	uGy/mAs	Gratik Output vs kVp
1	50	48,35	3,3%	e max ≤ 10%	116,23	5,81	$y = 0,004x^2 + 0,0251x - 5,4331$ $R^2 = 0,9995$
2	60	57,53	4,1%		206,35	10,32	
3	70	74,04	5,8%		311,79	15,59	
4	80	85,79	7,2%		446,28	22,31	
5	90	96,48	7,2%		577,48	28,87	
e max			7,2%	Akurasi kV	Lolos		
informasi dosis keluaran pada 50 kVp			5,81	uGy/mAs			
informasi dosis keluaran pada 60 kVp			10,32	uGy/mAs			
informasi dosis keluaran pada 70 kVp			15,59	uGy/mAs			
informasi dosis keluaran pada 80 kVp			22,31	uGy/mAs			
informasi dosis keluaran pada 90 kVp			28,87	uGy/mAs			

B. Generator dan Tabung Sinar-X

1. Uji akurasi tegangan (kVp) dan informasi data dosis keluaran radiasi

				Alat Ukur	UNFORS XI		
fokus besar				mA-set	160	SID (cm)	100
luas lapangan 25 cm x 25 cm				s-set	0,1		
No	kVp-set	kVp-ukur	error (%)	Nilai lolos uji	uGy	uGy/mAs	Grafik Output vs kVp
1	55	54,26	1,4%	e max ≤ 10%	232,491	14,53	$y = 0,0193x^2 - 1,653x + 45,914$ $R^2 = 0,9749$
2	70	69,56	0,6%		398,309	24,89	
3	85	86,28	1,5%		600,314	37,52	
4	100	101,45	1,5%		1331,660	83,23	
5	115	117,13	1,9%		1719,140	107,45	
e max				1,9%	Akurasi kV		Lolos
informasi dosis keluaran pada 55 kVp				14,53	uGy/mAs		
informasi dosis keluaran pada 70 kVp				24,89	uGy/mAs		
informasi dosis keluaran pada 85 kVp				37,52	uGy/mAs		
informasi dosis keluaran pada 100 kVp				83,23	uGy/mAs		
informasi dosis keluaran pada 115 kVp				107,45	uGy/mAs		

B. Generator dan Tabung Sinar-X

1. Uji akurasi tegangan (kVp) dan informasi data dosis keluaran radiasi

				Alat Ukur	UNFORS X2		
fokus besar				mAs-set	10	SID (cm)	100
luas lapangan 25 cm x 25 cm							
No	kVp-set	kVp-ukur	error (%)	Nilai lolos uji	uGy	uGy/mAs	Grafik Output vs kVp
1	50	51,70	3,4%	e max ≤ 10%	136,60	13,66	$y = 0,0147x^2 - 1,2722x + 41,336$ $R^2 = 0,9878$
2	60	60,10	0,2%		197,80	19,78	
3	70	70,50	0,7%		245,20	24,52	
4	80	79,50	0,6%		319,80	31,98	
5	90	90,90	1,0%		470,50	47,05	
e max				3,4%	Akurasi kV		Lolos
informasi dosis keluaran pada 50 kVp				13,66	uGy/mAs		
informasi dosis keluaran pada 60 kVp				19,78	uGy/mAs		
informasi dosis keluaran pada 70 kVp				24,52	uGy/mAs		
informasi dosis keluaran pada 80 kVp				31,98	uGy/mAs		
informasi dosis keluaran pada 90 kVp				47,05	uGy/mAs		

B. Generator dan Tabung Sinar-X

1. Uji akurasi tegangan (kVp) dan informasi data dosis keluaran radiasi

				Alat Ukur	UNFORS XI		
fokus besar				mA-set	100	SID (cm)	100
luas lapangan 25 cm x 25 cm				s-set	0,1		
No	kVp-set	kVp-ukur	error (%)	Nilai lolos uji	uGy	uGy/mAs	Grafik Output vs kVp
1	50	50,35	0,7%	e max ≤ 10%	128,22	12,82	$y = 0,0027x^2 + 0,464x - 16,787$ $R^2 = 0,9544$
2	60	59,65	0,6%		205,72	20,57	
3	70	75,33	7,6%		326,06	32,61	
4	80	78,33	2,1%		334,57	33,46	
5	90	89,06	1,0%		487,11	48,71	
e max				7,6%	Akurasi kV		Lolos
informasi dosis keluaran pada 50 kVp				12,82	uGy/mAs		
informasi dosis keluaran pada 60 kVp				20,57	uGy/mAs		
informasi dosis keluaran pada 70 kVp				32,61	uGy/mAs		
informasi dosis keluaran pada 80 kVp				33,46	uGy/mAs		
informasi dosis keluaran pada 90 kVp				48,71	uGy/mAs		

Lampiran 2. Olahan Data Dosis pasien (Rs. A, B, C, D, & E)

No	Gender (Male / Female)	Umur (th)	Proyeksi	Posisi (Standing / Supine)	SID (cm)	Tebal badan pasien (cm)	SSD(cm)	kV	mAs	INAK (SID)	ESAK (SID)	INAK (SSD)	ESAK (SSD)
1	F	36	AP	SUPINE	100	26	74	77	16	736,7248	994,57848	1345,370343	1816,249963
2	F	31	AP	SUPINE	100	30	70	78	16	758,936	1024,5636	1548,84898	2090,946122
3	F	40	AP	SUPINE	100	30	70	80	32	1608,7328	2171,78928	3283,128163	4432,22302
4	M	21	AP	SUPINE	100	24	76	72	16	630,7088	851,45688	1091,947368	1474,128947
5	F	20	AP	SUPINE	100	20	80	67	16	533,0928	719,67528	832,9575	1124,492625
6	M	54	AP	SUPINE	100	24	76	73	16	651,24	879,174	1127,493075	1522,115651
7	M	37	AP	SUPINE	100	28	72	79	20	976,854	1318,7529	1884,363426	2543,890625
8	F	20	AP	SUPINE	100	22	78	68	16	551,944	745,1244	907,2057857	1224,727811
9	F	58	AP	SUPINE	100	24	76	74	16	672,1072	907,34472	1163,620499	1570,887673
10	F	25	AP	SUPINE	100	20	80	73	16	651,24	879,174	1017,5625	1373,709375
11	F	23	AP	SUPINE	100	26	74	75	16	693,3104	935,96904	1266,089116	1709,220307
12	M	39	AP	SUPINE	100	26	74	76	16	714,8496	965,04696	1305,422936	1762,320964
13	F	84	AP	SUPINE	100	30	70	80	32	1608,7328	2171,78928	3283,128163	4432,22302
14	M	54	AP	SUPINE	100	30	70	81	32	1655,1712	2234,48112	3377,900408	4560,165551
15	M	20	AP	SUPINE	100	24	76	75	20	866,638	1169,9613	1500,41205	2025,556267
16	F	24	AP	SUPINE	100	24	76	75	16	693,3104	935,96904	1200,32964	1620,445014
17	F	28	AP	SUPINE	100	20	80	67	16	533,0928	719,67528	832,9575	1124,492625
18	F	22	AP	SUPINE	100	22	78	68	16	551,944	745,1244	907,2057857	1224,727811
19	F	20	AP	SUPINE	100	22	78	68	10	344,965	465,70275	567,003616	765,4548817
20	F	77	AP	SUPINE	100	20	80	71	20	763,142	1030,2417	1192,409375	1609,752656
21	M	24	AP	SUPINE	100	24	76	69	16	571,1312	771,02712	988,800554	1334,880748
22	M	35	AP	SUPINE	100	26	74	76	16	714,8496	965,04696	1305,422936	1762,320964
23	F	43	AP	SUPINE	100	30	70	79	16	781,4832	1055,00232	1594,863673	2153,065959
24	F	28	AP	SUPINE	100	26	74	76	16	714,8496	965,04696	1305,422936	1762,320964
25	F	20	AP	SUPINE	100	22	78	69	16	571,1312	771,02712	938,7429323	1267,302959
26	F	29	AP	SUPINE	100	24	76	70	16	590,6544	797,38344	1022,601108	1380,511496
27	F	25	AP	SUPINE	100	28	72	78	20	948,67	1280,7045	1829,996142	2470,494792
28	M	19	AP	SUPINE	100	22	78	74	16	672,1072	907,34472	1104,712689	1491,36213
29	F	41	AP	SUPINE	100	30	70	79	20	976,854	1318,7529	1993,579592	2691,332449
30	M	19	AP	SUPINE	100	26	74	77	16	736,7248	994,57848	1345,370343	1816,249963

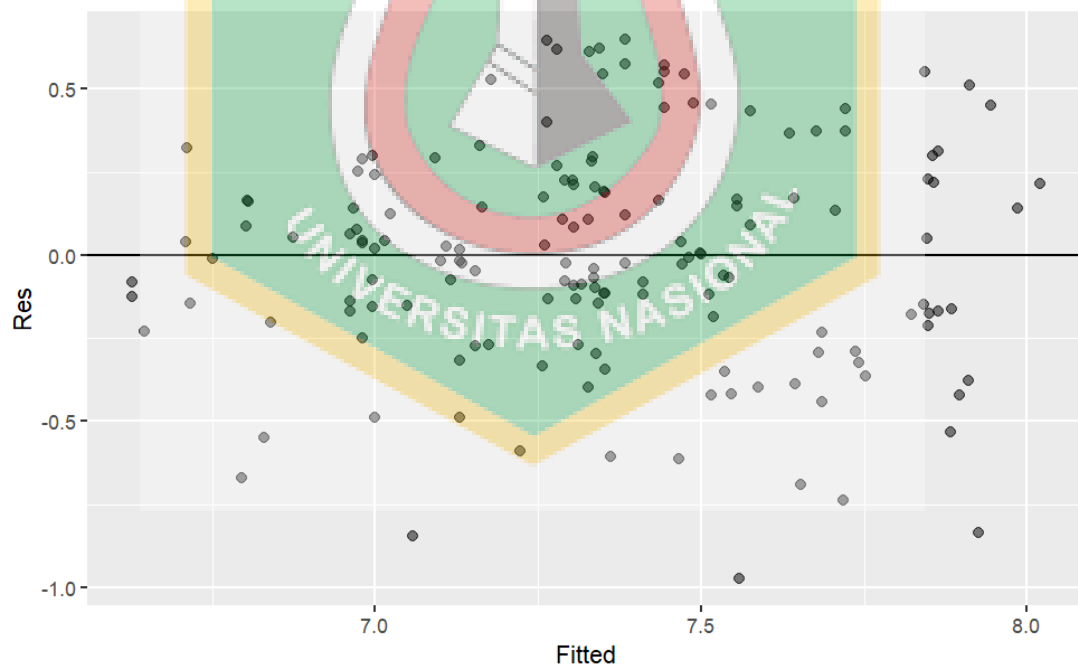
No	Gender (Male / Female)	Umur (th)	Proyeksi	Posisi (Standin g / Supine)	SID (cm)	Tebal badan pasien (cm)	SSD(cm)	kV	mAs	INAK (SID)	ESAK (SID)	INAK (SSD)	ESAK (SSD)
1	F	36	AP	SUPINE	100	20	80	70	20	318,478	429,9453	497,6219	671,7895
2	F	58	AP	SUPINE	100	30	70	85	32	819,2128	1105,937	1671,863	2257,015
3	F	61	AP	SUPINE	100	22	78	72	20	342,202	461,9727	562,4622	759,324
4	M	46	AP	SUPINE	100	20	80	68	16	236,3152	319,0255	369,2425	498,4774
5	F	49	AP	SUPINE	100	30	70	84	32	796,7776	1075,65	1626,077	2195,204
6	F	66	AP	SUPINE	100	27	73	78	20	417,214	563,2389	782,9124	1056,932
7	F	48	AP	SUPINE	100	24	76	74	20	366,566	494,8641	634,6364	856,7592
8	M	19	AP	SUPINE	100	18	82	68	18	265,8546	358,9037	395,3816	533,7652
9	M	28	AP	SUPINE	100	26	74	80	28	620,8972	838,2112	1133,852	1530,7
10	M	19	AP	SUPINE	100	20	80	73	25	442,88	597,888	692	934,2
11	M	26	AP	SUPINE	100	30	70	82	32	752,6752	1016,112	1536,072	2073,697
12	F	41	AP	SUPINE	100	26	74	82	28	658,5908	889,0976	1202,686	1623,626
13	F	30	AP	SUPINE	100	29	71	81	28	639,632	863,5032	1268,859	1712,96
14	F	21	AP	SUPINE	100	26	74	69	25	383,57	517,8195	700,4565	945,6163
15	F	15	AP	SUPINE	100	27	73	78	25	521,5175	704,0486	978,6405	1321,165
16	F	69	AP	SUPINE	100	28	72	81	28	639,632	863,5032	1233,858	1665,708
17	M	29	AP	SUPINE	100	24	76	75	25	473,735	639,5423	820,1783	1107,241
18	F	27	AP	SUPINE	100	24	76	76	25	489,4625	660,7744	847,4074	1144
19	M	58	AP	SUPINE	100	26	74	79	25	537,845	726,0908	982,1859	1325,951
20	F	44	AP	SUPINE	100	28	72	79	25	537,845	726,0908	1037,51	1400,638
21	F	56	AP	SUPINE	100	26	74	77	25	505,39	682,2765	922,9182	1245,94
22	M	23	AP	SUPINE	100	30	70	84	32	796,7776	1075,65	1626,077	2195,204
23	M	23	AP	SUPINE	100	24	76	76	25	489,4625	660,7744	847,4074	1144
24	F	76	AP	SUPINE	100	22	78	74	25	458,2075	618,5801	753,1353	1016,733
25	M	27	AP	SUPINE	100	26	74	76	25	489,4625	660,7744	893,8322	1206,673
26	F	73	AP	SUPINE	100	28	72	80	28	620,8972	838,2112	1197,718	1616,92
27	M	53	AP	SUPINE	100	30	70	83	28	677,7736	914,9944	1383,211	1867,335
28	M	88	AP	SUPINE	100	20	80	71	28	462,364	624,1914	722,4438	975,2991
29	F	42	AP	SUPINE	100	28	72	80	28	620,8972	838,2112	1197,718	1616,92
30	F	63	AP	SUPINE	100	30	70	81	28	639,632	863,5032	1305,371	1762,251

No	Gender (Male / Female)	Umur (th)	Proyeksi	Posisi (Standing / Supine)	SID (cm)	Tebal badan pasien (cm)	SSD(cm)	kV	mAs	INAK (SID)	ESAK (SID)	INAK (SSD)	ESAK (SSD)
1	F	48	AP	SUPINE	100	25	75	81	32	1236,746	1669,607	2198,659	2968,189
2	F	36	AP	SUPINE	100	20	80	77	16	529,0032	714,1543	826,5675	1115,866
3	F	31	AP	SUPINE	100	22	78	78	16	550,4192	743,0659	904,6995	1221,344
4	F	40	AP	SUPINE	100	23	77	80	20	743,88	1004,238	1254,647	1693,773
5	M	21	AP	SUPINE	100	17	83	72	16	431,1872	582,1027	625,9068	844,9742
6	F	20	AP	SUPINE	100	16	84	67	16	348,8112	470,8951	494,3469	667,3684
7	F	49	AP	SUPINE	100	23	77	83	20	833,454	1125,163	1405,724	1897,728
8	M	27	AP	SUPINE	100	20	80	78	16	550,4192	743,0659	860,03	1161,041
9	M	54	AP	SUPINE	100	23	77	73	16	449,5152	606,8455	758,1636	1023,521
10	M	44	AP	SUPINE	100	26	74	85	20	897,03	1210,991	1638,112	2211,451
11	M	37	AP	SUPINE	100	23	77	79	20	715,566	966,0141	1206,892	1629,304
12	F	20	AP	SUPINE	100	16	84	68	16	364,0512	491,4691	515,9456	696,5265
13	F	58	AP	SUPINE	100	20	80	74	16	468,4608	632,4221	731,97	988,1595
14	F	25	AP	SUPINE	100	18	82	77	16	529,0032	714,1543	786,7388	1062,097
15	F	23	AP	SUPINE	100	18	82	75	16	488,024	658,8324	725,7942	979,8221
16	M	39	AP	SUPINE	100	18	82	76	16	508,2048	686,0765	755,8073	1020,34
17	F	84	AP	SUPINE	100	20	80	80	16	595,104	803,3904	929,85	1255,298
18	M	54	AP	SUPINE	100	23	77	80	20	743,88	1004,238	1254,647	1693,773
19	M	20	AP	SUPINE	100	20	80	77	20	661,254	892,6929	1033,209	1394,833
20	F	24	AP	SUPINE	100	18	82	77	16	529,0032	714,1543	786,7388	1062,097
21	F	28	AP	SUPINE	100	16	84	65	16	320,184	432,2484	453,7755	612,5969
22	F	22	AP	SUPINE	100	17	83	68	16	364,0512	491,4691	528,4529	713,4114
23	F	20	AP	SUPINE	100	18	82	68	10	227,532	307,1682	338,3879	456,8236
24	F	77	AP	SUPINE	100	22	78	77	20	661,254	892,6929	1086,874	1467,28
25	F	44	AP	SUPINE	100	25	75	83	20	833,454	1125,163	1481,696	2000,29
26	M	24	AP	SUPINE	100	18	82	69	16	379,9088	512,8769	565,0042	762,7556
27	M	35	AP	SUPINE	100	21	79	77	16	529,0032	714,1543	847,6257	1144,295
28	M	29	AP	SUPINE	100	24	76	80	16	595,104	803,3904	1030,305	1390,911
29	F	69	AP	SUPINE	100	26	74	84	20	864,856	1167,556	1579,357	2132,132
30	F	43	AP	SUPINE	100	23	77	78	16	550,4192	743,0659	928,3508	1253,274

No	Gender (Male / Female)	Umur (th)	Proyeksi	Posisi (Standing / Supine)	SID (cm)	Tebal badan pasien (cm)	SSD(cm)	kV	mAs	INAK (SID)	ESAK (SID)	INAK (SSD)	ESAK (SSD)
1	F	48	AP	SUPINE	100	25	75	81	32	1111,504	1500,53	1976,007	2667,61
2	F	49	AP	SUPINE	100	23	77	83	32	1184,374	1598,905	1997,596	2696,754
3	M	44	AP	SUPINE	100	26	74	75	32	915,472	1235,887	1671,79	2256,916
4	F	59	AP	SUPINE	110	25	85	80	24	807,36	1089,936	1352,118	1825,36
5	F	57	AP	SUPINE	110	30	80	77	20	610,658	824,3883	1154,525	1558,609
6	F	29	AP	SUPINE	110	32	78	85	32	1261,008	1702,361	2507,922	3385,695
7	F	35	AP	SUPINE	110	20	90	71	20	502,25	678,0375	750,2747	1012,871
8	M	62	AP	SUPINE	110	21	89	80	32	1076,48	1453,248	1644,415	2219,96
9	M	60	AP	SUPINE	110	30	80	69	20	470,818	635,6043	890,1403	1201,689
10	F	44	AP	SUPINE	100	25	75	83	32	1184,374	1598,905	2105,554	2842,499
11	M	26	AP	SUPINE	110	30	80	85	32	1261,008	1702,361	2384,093	3218,526
12	F	46	AP	SUPINE	110	30	80	85	32	1261,008	1702,361	2384,093	3218,526
13	F	26	AP	SUPINE	110	28	82	70	24	583,488	787,7088	1050,001	1417,501
14	M	42	AP	SUPINE	110	28	82	67	20	441,738	596,3463	794,9182	1073,14
15	M	29	AP	SUPINE	100	24	76	80	24	807,36	1089,936	1397,784	1887,008
16	F	47	AP	SUPINE	110	20	90	78	20	630,784	851,5584	942,2823	1272,081
17	F	69	AP	SUPINE	100	26	74	84	32	1222,221	1649,998	2231,959	3013,145
18	F	44	AP	SUPINE	110	28	82	76	24	709,344	957,6144	1276,482	1723,25
19	F	55	AP	SUPINE	110	23	87	74	24	664,5696	897,169	1062,398	1434,238
20	M	28	AP	SUPINE	100	24	76	80	24	807,36	1089,936	1397,784	1887,008
21	F	59	AP	SUPINE	110	27	83	85	32	1261,008	1702,361	2214,864	2990,066
22	F	25	AP	SUPINE	110	27	83	77	10	305,329	412,1942	536,287	723,9874
23	M	38	AP	SUPINE	100	23	77	80	24	807,36	1089,936	1361,714	1838,313
24	M	22	AP	SUPINE	100	24	76	80	24	807,36	1089,936	1397,784	1887,008
25	M	26	AP	SUPINE	110	23	87	85	25	985,1625	1329,969	1574,906	2126,124
26	M	26	AP	SUPINE	110	23	87	85	32	1261,008	1702,361	2015,88	2721,438
27	F	60	AP	SUPINE	100	23	77	80	24	807,36	1089,936	1361,714	1838,313
28	M	44	AP	SUPINE	100	28	72	85	32	1261,008	1702,361	2432,5	3283,875
29	M	42	AP	SUPINE	100	24	76	84	32	1222,221	1649,998	2116,033	2856,645
30	F	34	AP	SUPINE	100	22	78	80	24	807,36	1089,936	1327,022	1791,479

No	Gender (Male / Female)	Umur (th)	Proyeksi	Posisi (Standing / Supine)	SiD (cm)	Tebal badan pasien (cm)	SSD(cm)	kV	mAs	INAK (SiD)	ESAK (SiD)	INAK (SSD)	ESAK (SSD)
1	F	48	AP	SUPINE	100	25	75	82	32	1261,306	1702,763	2242,321	3027,133
2	F	36	AP	SUPINE	100	24	76	79	24	881,2728	1189,718	1525,749	2059,762
3	F	31	AP	SUPINE	100	26	74	78	32	1146,618	1547,934	2093,896	2826,76
4	F	40	AP	SUPINE	100	28	72	80	32	1203,616	1624,882	2321,79	3134,417
5	M	21	AP	SUPINE	100	24	76	72	20	612,356	826,6806	1060,173	1431,234
6	F	20	AP	SUPINE	100	20	80	67	16	422,7408	570,7001	660,5325	891,7189
7	F	49	AP	SUPINE	100	30	70	83	32	1290,41	1742,053	2633,489	3555,21
8	M	27	AP	SUPINE	100	24	76	78	32	1146,618	1547,934	1985,141	2679,941
9	M	54	AP	SUPINE	100	24	76	73	20	629,466	849,7791	1089,796	1471,224
10	F	20	AP	SUPINE	100	20	80	68	16	435,9968	588,5957	681,245	919,6808
11	F	58	AP	SUPINE	100	24	76	74	24	776,0208	1047,628	1343,526	1813,761
12	F	25	AP	SUPINE	100	24	76	77	16	559,1888	754,9049	968,1247	1306,968
13	F	23	AP	SUPINE	100	24	76	75	24	796,812	1075,696	1379,522	1862,355
14	F	24	AP	SUPINE	100	20	80	76	16	545,1552	735,9595	851,805	1149,937
15	F	28	AP	SUPINE	100	20	80	65	16	396,488	535,2588	619,5125	836,3419
16	F	22	AP	SUPINE	100	20	80	70	20	578,46	780,921	903,8438	1220,189
17	F	20	AP	SUPINE	100	22	78	66	16	409,5712	552,9211	673,194	908,8118
18	F	44	AP	SUPINE	100	32	68	83	32	1290,41	1742,053	2790,678	3767,416
19	M	24	AP	SUPINE	100	22	78	69	16	449,3392	606,6079	738,5588	997,0544
20	M	29	AP	SUPINE	100	30	70	82	32	1261,306	1702,763	2574,093	3475,026
21	F	43	AP	SUPINE	100	26	74	79	32	1175,03	1586,291	2145,782	2896,806
22	F	28	AP	SUPINE	100	20	80	76	20	681,444	919,9494	1064,756	1437,421
23	F	20	AP	SUPINE	100	17	83	70	20	578,46	780,921	839,6865	1133,577
24	M	44	AP	SUPINE	100	28	72	85	32	1349,136	1821,334	2602,5	3513,375
25	F	25	AP	SUPINE	100	26	74	81	32	1232,374	1663,705	2250,501	3038,176
26	M	42	AP	SUPINE	100	24	76	84	32	1319,686	1781,577	2284,776	3084,447
27	F	34	AP	SUPINE	100	24	76	80	32	1203,616	1624,882	2083,823	2813,161
28	F	41	AP	SUPINE	100	24	76	81	32	1232,374	1663,705	2133,612	2880,376
29	F	19	AP	SUPINE	100	17	83	68	16	435,9968	588,5957	632,8884	854,3993
30	M	19	AP	SUPINE	100	20	80	77	20	698,986	943,6311	1092,166	1474,424

Lampiran 3. Residual vs Fitted Plot



Lampiran 4. Dosis pasien dari Rs. A, B, C, D, & E

kV	INAK (SSD) μGy	ESAK (SSD) μGy	kV	INAK (SSD) μGy	ESAK (SSD) μGy
77	497,621875	671,7895313	77	1345,370343	1816,249963
78	1671,862857	2257,014857	78	1548,84898	2090,946122
80	562,4621959	759,3239645	80	3283,128163	4432,22302
72	369,2425	498,477375	72	1091,947368	1474,128947
67	1626,076735	2195,203592	67	832,9575	1124,492625
73	782,9123663	1056,931695	73	1127,493075	1522,115651
79	634,6364266	856,7591759	79	1884,363426	2543,890625
68	395,3816181	533,7651844	68	907,2057857	1224,727811
74	1133,851717	1530,699817	74	1163,620499	1570,887673
73	692	934,2	73	1017,5625	1373,709375
75	1536,071837	2073,69698	75	1266,089116	1709,220307
76	1202,685902	1623,625968	76	1305,422936	1762,320964
80	1268,859353	1712,960127	80	3283,128163	4432,22302
81	700,4565376	945,6163258	81	3377,900408	4560,165551
75	978,6404579	1321,164618	75	1500,41205	2025,556267
75	1233,858025	1665,708333	75	1200,32964	1620,445014
67	820,1783241	1107,240738	67	832,9575	1124,492625
68	847,4073753	1143,999957	68	907,2057857	1224,727811
68	982,1859021	1325,950968	68	567,003616	765,4548817
71	1037,509645	1400,638021	71	1192,409375	1609,752656
69	922,9181885	1245,939554	69	988,800554	1334,880748
76	1626,076735	2195,203592	76	1305,422936	1762,320964
79	847,4073753	1143,999957	79	1594,863673	2153,065959
76	753,1352728	1016,732618	76	1305,422936	1762,320964
69	893,8321768	1206,673439	69	938,7429323	1267,302959
70	1197,718364	1616,919792	70	1022,601108	1380,511496
78	1383,211429	1867,335429	78	1829,996142	2470,494792
74	722,44375	975,2990625	74	1104,712689	1491,36213
79	1197,718364	1616,919792	79	1993,579592	2691,332449
77	1305,371429	1762,251429	77	1345,370343	1816,249963
Rerata	994,1244911	1342,068063	Rerata	1435,495638	1937,919111
STDEV	363,63	490,91	STDEV	713,12	962,72

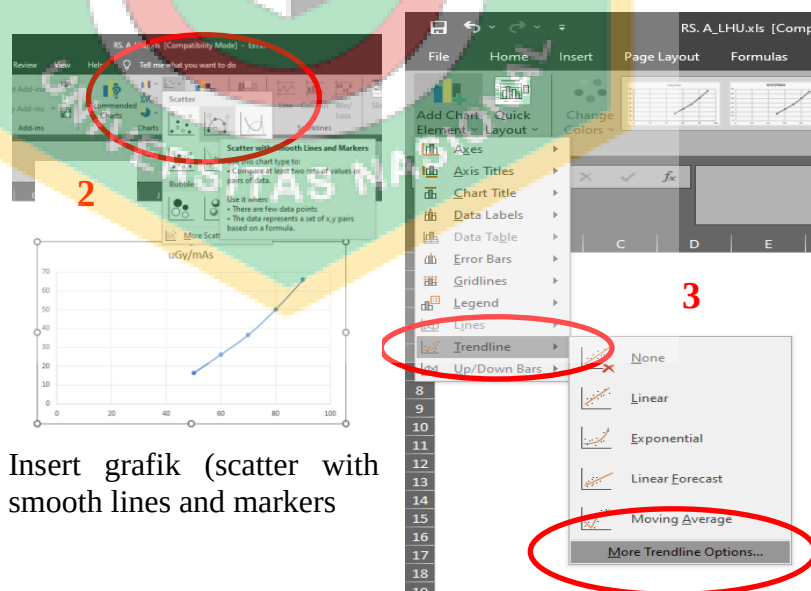
kV	INAK (SSD) μGy	ESAK (SSD) μGy	kV	INAK (SSD) μGy	ESAK (SSD) μGy
81	2198,658844	2968,18944	81	1976,007111	2667,6096
77	826,5675	1115,866125	83	1997,595547	2696,753989
78	904,6995398	1221,344379	75	1671,789627	2256,915997
80	1254,646652	1693,77298	80	1352,118478	1825,359945
72	625,906808	844,9741907	77	1154,525281	1558,60913
67	494,3469388	667,3683673	85	2507,921893	3385,694556
83	1405,724405	1897,727947	71	750,2746914	1012,870833
78	860,03	1161,0405	80	1644,414594	2219,959702
73	758,1636026	1023,520864	69	890,1402813	1201,68938
85	1638,11176	2211,450877	83	2105,554489	2842,49856
79	1206,89155	1629,303593	85	2384,09325	3218,525888
68	515,9455782	696,5265306	85	2384,09325	3218,525888
74	731,97	988,1595	70	1050,000714	1417,500964
77	786,7388459	1062,097442	67	794,9181737	1073,139535
75	725,7941701	979,8221297	80	1397,783934	1887,00831
76	755,8072576	1020,339798	78	942,2822716	1272,081067
80	929,85	1255,2975	84	2231,959094	3013,144777
80	1254,646652	1693,77298	76	1276,481618	1723,250184
77	1033,209375	1394,832656	74	1062,398224	1434,237603
77	786,7388459	1062,097442	80	1397,783934	1887,00831
65	453,7755102	612,5969388	85	2214,863812	2990,066146
68	528,4528959	713,4114095	77	536,2869647	723,9874024
68	338,3878644	456,8236169	80	1361,713611	1838,313375
77	1086,873767	1467,279586	80	1397,783934	1887,00831
83	1481,696	2000,2896	85	1574,906361	2126,123588
69	565,0041642	762,7556217	85	2015,880143	2721,438193
77	847,625701	1144,294696	80	1361,713611	1838,313375
80	1030,304709	1390,911357	85	2432,5	3283,875
84	1579,357195	2132,132213	84	2116,033241	2856,644875
78	928,350818	1253,273604	80	1327,021696	1791,47929
Rerata	951,1425651	1284,042463	Rerata	1577,027994	2128,987792
STDEV	411,58	555,63	STDEV	563,72	761,02

kV	INAK (SSD) μGy	ESAK (SSD) μGy
82	2242,321067	3027,13344
79	1525,749307	2059,761565
78	2093,896275	2826,759971
80	2321,790123	3134,416667
72	1060,17313	1431,233726
67	660,5325	891,718875
83	2633,48898	3555,210122
78	1985,141274	2679,94072
73	1089,795706	1471,224204
68	681,245	919,68075
74	1343,526316	1813,760526
77	968,1246537	1306,968283
75	1379,522161	1862,354917
76	851,805	1149,93675
65	619,5125	836,341875
70	903,84375	1220,189063
66	673,1939513	908,8118343
83	2790,678201	3767,415571
69	738,5588429	997,0544379
82	2574,093061	3475,025633
79	2145,782323	2896,806136
76	1064,75625	1437,420938
70	839,6864567	1133,576717
85	2602,5	3513,375
81	2250,501096	3038,176479
84	2284,775623	3084,447091
80	2083,822715	2813,160665
81	2133,612188	2880,376454
68	632,8883728	854,3993032
77	1092,165625	1474,423594
Rerata	1542,249415	2082,03671
STDEV	738,97	997,62

Lampiran 5. Langkah menampilkan equation/ persamaan

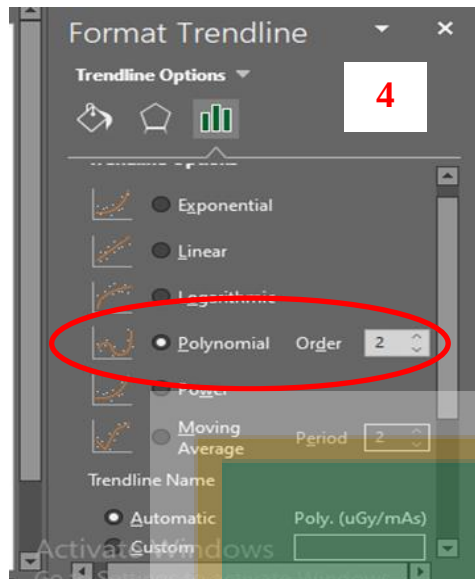
kVp-set	$\mu\text{Gy/mAs}$
50	16,27025
60	26,1818
70	36,56175
80	50,1295
90	65,7935

Blok
keluaran
dosis output

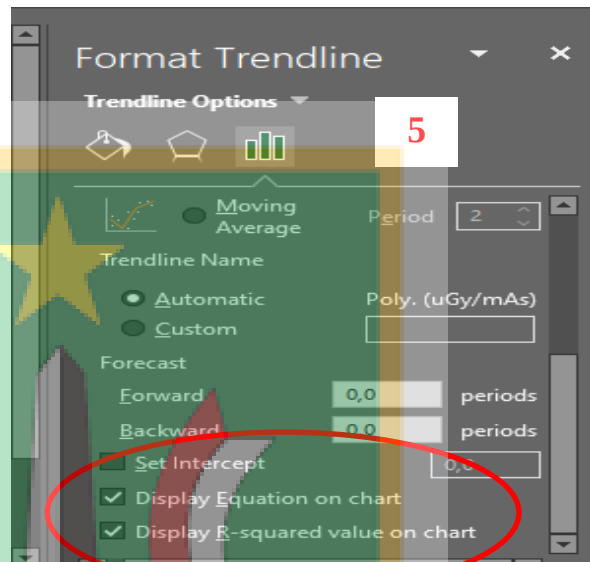


Insert grafik (scatter with
smooth lines and markers

Add Chart Element (Trendline →
More trendline option



Pilih Polynomial orde 2



Centang:
Display Equation on chart
Display R-square value on chart

Hasil Langkah-langkah diatas akan menampilkan gambar grafik dengan persamaan dibawah ini:

