

LAMPIRAN

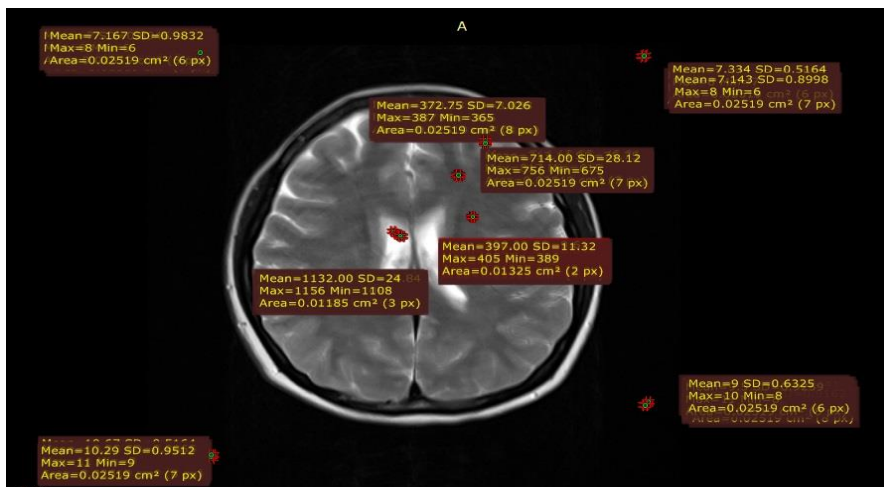
ANALISIS DATA PASIEN

PASIEN 1

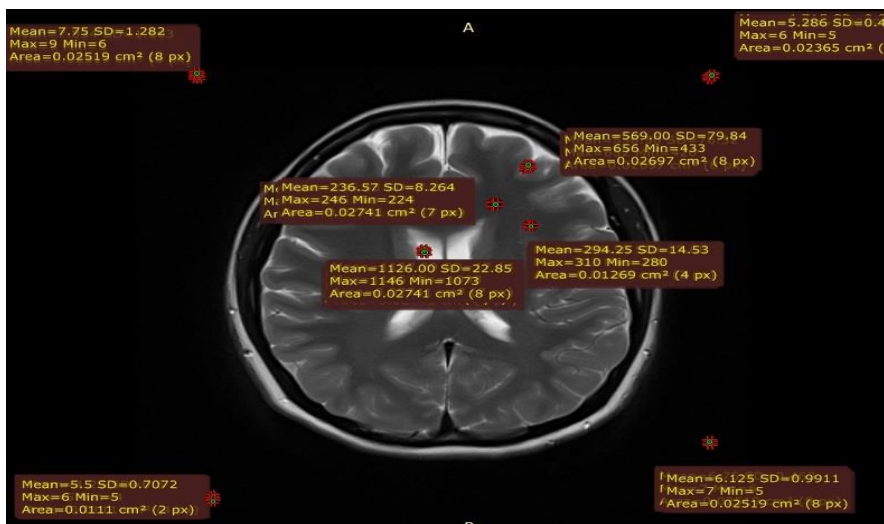
Usia : 23 Tahun

Jenis Kelamin : Perempuan

1. Gambar hasil ROI T2 TSE CARTESIAN dan T2 TSE BLADE MRI *brain* pasien non kooperatif



BLADE



2. Hasil ROI jaringan dan ROI background

	TEKNIK	ROI JARINGAN	
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PASIE N		CSF	WM	GM	ARTEFAK	ROI BACKGROU ND
1	CARTESI AN	1132.0 01	371.90 44	713.36 78	394.9989	3.211277778
	BLADE	1129.2 44	235.94 78	565.80 78	292.6667	3.775811111

3. Hasil SNR pada setiap jaringan

TEKNIK	SNR			
	CSF	WM	GM	ARTEFAK
CARTESIAN	352.508	115.812	222.1445	123.0037
BLADE	299.1311	57.74118	149.8507	77.51094

4. Waktu Scanning

Variasi	TR	PE	NEX	ETL	Waktu Scanning (ms)	Waktu Scanning (s)
T2	(ms)					
T2 TSE CARTESIAN	460	256	1	1	117430	117,43
T2 TSE BLADE	100	128	1	2	131000	131

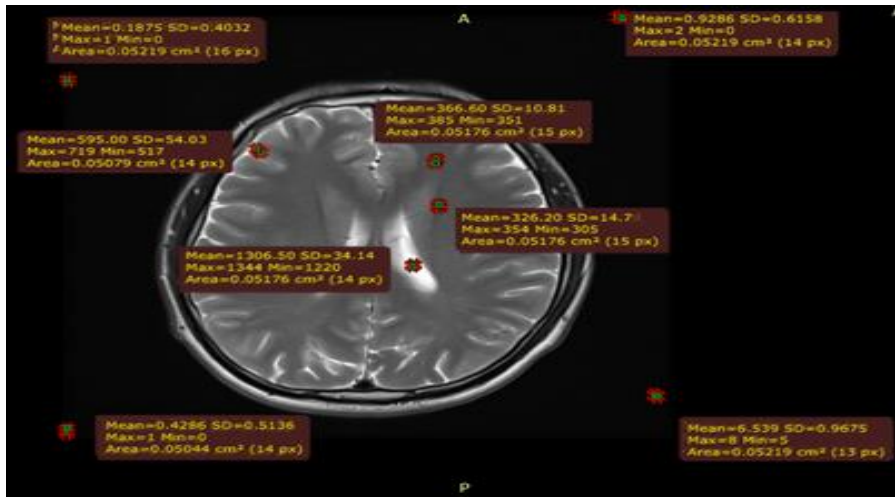
**PASIEN 2**

Usia : 22 Tahun

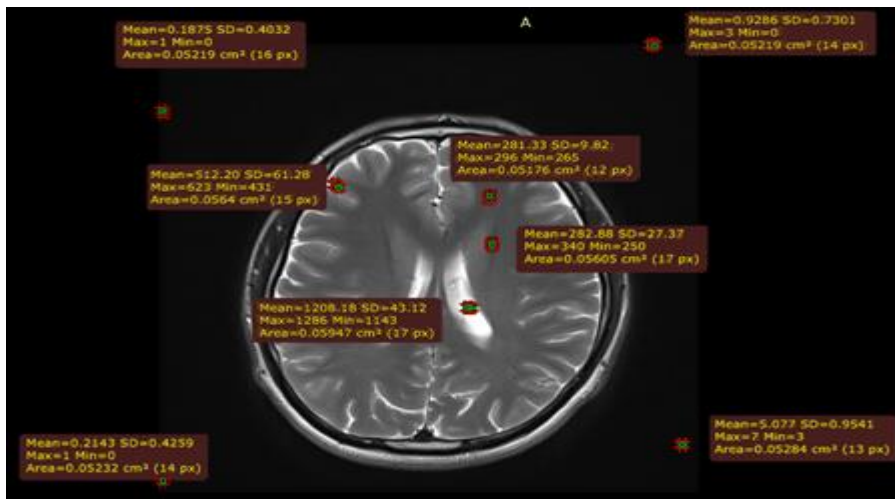
Jenis Kelamin : Laki-Laki

1. Gambar hasil ROI T2 TSE CARTESIAN dan T2 TSE BLADE MRI *brain* pasien non kooperatif

CARTESIAN



BLADE



2. Hasil ROI jaringan dan ROI background

PASI EN	TEKNIK	ROI JARINGAN				ROI BACKGRO UND
		CSF	WM	GM	ARTEFAK	
2	CARTESI AN	1308.2 34	326.46 67	595.73 22	363.805 6	2.355655556
	BLADE	1211.1 74	282.39 33	512.94 78	283.104 4	

3. Hasil SNR pada setiap jaringan

TEKNIK	SNR			
	CSF	WM	GM	ARTEFAK
CARTESIAN	555.359	138.5885	252.8945	154.4392
BLADE	508.6926	108.0588	215.4378	118.9037

4. Waktu Scanning

Variasi	TR (ms)	PE	NEX	ETL	Waktu Scanning (ms)	Waktu Scanning (s)
T2 TSE CARTESIAN	460	256	1	1	117430	117,43
T2 TSE BLADE	100	128	1	2	131000	131

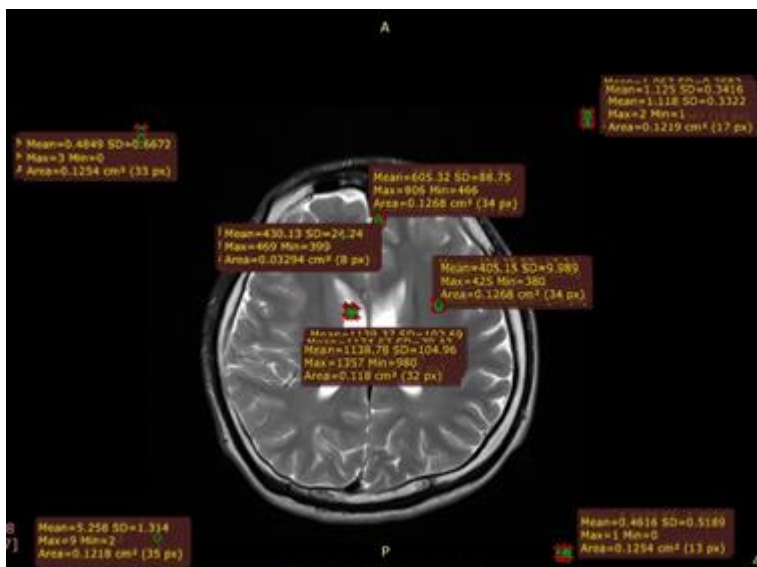
**PASIENT 3**

Usia : 21 Tahun

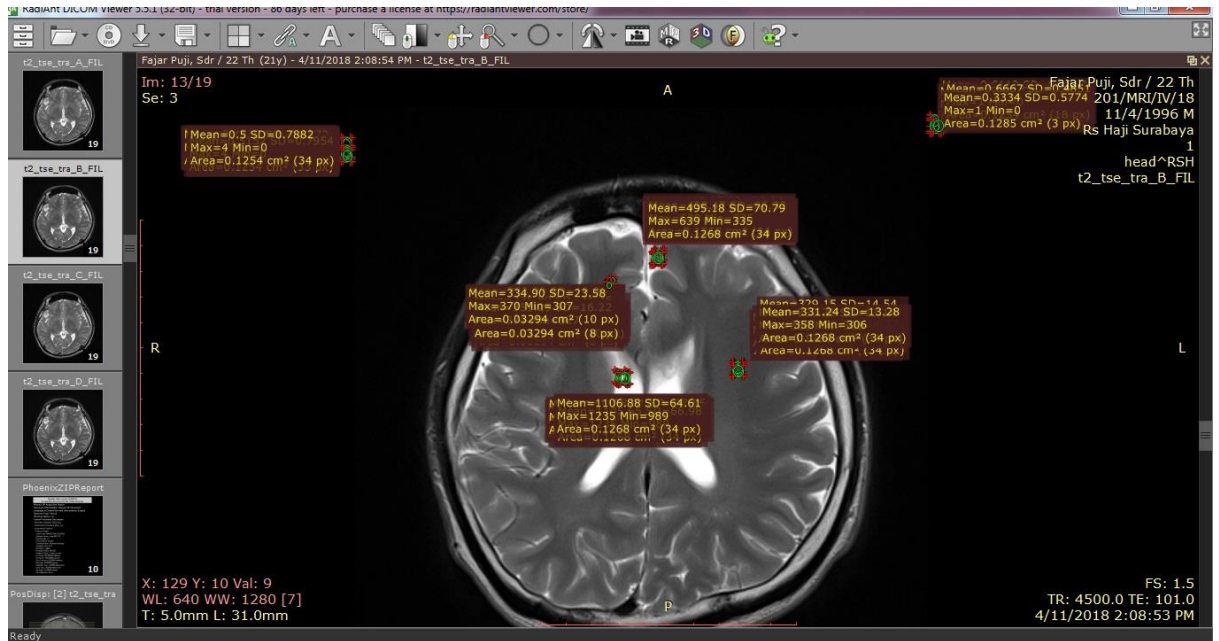
Jenis Kelamin : Laki-Laki

1. Gambar hasil ROI T2 TSE CARTESIAN dan T2 TSE BLADE MRI *brain* pasien non kooperatif

**CARTESIAN**



**BLADE**



## 2. Hasil ROI jaringan dan ROI background

PASIE N	TEKNIK	ROI JARINGAN				ROI BACKGROUN D
		CSF	WM	GM	ARTEFAK	
3	CARTESIAN	1136.71	402.9329	606.9957	429.3186	3.305566667
	BLADE	1106.809	328.3967	496.1922	337.7044	3.234844444

## 3. Hasil SNR pada setiap jaringan

TEKNIK	SNR			
	CSF	WM	GM	ARTEFAK
CARTESIAN	1.183959	0.419611	0.632058	0.447157
BLADE	342.3132	93.29965	136.3401	104.3959

## 4. Waktu Scanning

Variasi	TR	PE	NEX	ETL	Waktu Scanning (ms)	Waktu Scanning (s)
T2	(ms)					

T2	TSE	460	256	1	1	117430	117,43
CARTESIAN							
T2	TSE	100	128	1	2	131000	131
BLADE							

## LAMPIRAN 5

### HASIL UJI STATISTIK

1. Uji Statistik nilai SNR pada setiap jaringan

#### *Cerebro Spinal Fluid (CSF)*

#### Uji Normalitas

##### One-Sample Kolmogorov-Smirnov Test

		SNR	VARIASI
N		6	6
Normal Parameters <sup>a,b</sup>	Mean	395.7889	1.5000
	Std. Deviation	107.76068	.54772
Most Extreme Differences	Absolute	.352	.319
	Positive	.352	.319
	Negative	-.186	-.319
Kolmogorov-Smirnov Z		.863	.782
Asymp. Sig. (2-tailed)		.446	.573

a. Test distribution is Normal.

b. Calculated from data.

#### Uji Homogenitas

##### Test of Homogeneity of Variances

SNR

Levene Statistic	df1	df2	Sig.
.174	1	4	.698

#### Uji Independent T test

##### Independent Samples Test

	Levene's Test for Equality of Variances	t-test for Equality of Means								
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
SNR	Equal variances assumed	.174	.698	.254	4	.812	24.82013	97.58565	-246.12108	295.76134
	Equal variances not assumed			.254	3.920	.812	24.82013	97.58565	-248.31573	297.95600

**White Matter (WM)**

**Uji Normalitas**

**One-Sample Kolmogorov-Smirnov Test**

		SNR	VARIASI
N		6	6
Normal Parameters <sup>a,b</sup>	Mean	105.8872	1.5000
	Std. Deviation	27.93932	.54772
Most Extreme Differences	Absolute	.198	.319
	Positive	.124	.319
	Negative	-.198	-.319
Kolmogorov-Smirnov Z		.484	.782
Asymp. Sig. (2-tailed)		.973	.573

a. Test distribution is Normal.

b. Calculated from data.

**Uji Homogenitas**

**Test of Homogeneity of Variances**

SNR

Levene Statistic	df1	df2	Sig.
2.175	1	4	.214

**Uji Independent T test**

**Independent Samples Test**

		Levene's Test for Equality of Variances		t-Test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
								Lower		Upper
SNR	Equal variances assumed	2.175	.214	2.378	4	.076	39.04130	16.41489	-6.53375	84.61635
	Equal variances not assumed			2.378	2.798	.104	39.04130	16.41489	-15.39294	93.47554

**Gray Matter (GM)**

**Uji Normalitas**

**One-Sample Kolmogorov-Smirnov Test**

		SNR	VARIASI
N		6	6
Normal Parameters <sup>a,b</sup>	Mean	193.4377	1.5000
	Std. Deviation	44.99381	.54772
Most Extreme Differences	Absolute	.191	.319
	Positive	.167	.319
	Negative	-.191	-.319
Kolmogorov-Smirnov Z		.468	.782
Asymp. Sig. (2-tailed)		.981	.573

a. Test distribution is Normal.

b. Calculated from data.

**Uji Homogenitas**

**Test of Homogeneity of Variances**

SNR

Levene Statistic	df1	df2	Sig.
.356	1	4	.583

**Uji Independent T test**

**Independent Samples Test**

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
SNR	Equal variances assumed	.356	.583	1.643	4	.176	52.15167	31.73463	-35.95778	140.26112
	Equal variances not assumed			1.643	3.847	.178	52.15167	31.73463	-37.36006	141.66339

**ARTEFAK**

**Uji Normalitas**

**One-Sample Kolmogorov-Smirnov Test**

		SNR	VARIASI
N		6	6
Normal Parameters <sup>a,b</sup>	Mean	118.0123	1.5000
	Std. Deviation	25.75974	.54772
Most Extreme Differences	Absolute	.180	.319
	Positive	.157	.319
	Negative	-.180	-.319
Kolmogorov-Smirnov Z		.442	.782
Asymp. Sig. (2-tailed)		.990	.573

a. Test distribution is Normal.

b. Calculated from data.

**Uji Homogenitas**

**Test of Homogeneity of Variances**

SNR

Levene Statistic	df1	df2	Sig.
.162	1	4	.708

**Uji Independent T test**



Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
SNR	Equal variances assumed	.162	.708	2.299	4	.083	35.48420	15.43334	-7.36561	78.33402
	Equal variances not assumed			2.299	3.791	.087	35.48420	15.43334	-8.31208	79.28049