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Lampiran 1. Formulir Penelitian

FORMULIR PENELITIAN

No.

Tanggal		Pemeriksa	
Identitas Pasien			
No. Rekam Medik			
Nama			
Tgl Lahir/Umur			
Alamat/No.Hp			
Jenis Kelamin	Laki-Laki/Perempuan		
Pendidikan terakhir	SD/SMP/SMA/S1/S2/S3		
Pekerjaan			
Pertanyaan			
Apakah Anda mengalami nyeri kepala?	Ya	Tidak	
Jika ya, dalam 1 minggu berapa kali Anda merasakan nyeri kepala?	≤ 1 kali per minggu	> 1 kali per minggu	
Selain nyeri kepala, apakah Anda memiliki keluhan nyeri di tempat lain?	Ya	Tidak	
Jika ya, sebutkan dimana tempatnya.			
Skala Nyeri Kepala (<i>Numeric Rating Scale/NRS</i>)	<p>0 1 2 3 4 5 6 7 8 9 10</p> <p>None Mild Moderate Severe</p>		

Lampiran 2. Formulir MAPKN

Tgl Pemeriksaan :

No. Rekam medik :

Nama :

Tanggal Lahir/Umur :

METODE ALTERNATIF PENILAIAN KUANTITATIF NYERI (MAPKN)

Keluhan Nyeri	Gangguan Emosi	Gangguan ADL	Gangguan Okupasional	Gangguan terhadap lingkungan	Skor
-	-	-	-	-	0
<u>±</u>	-	-	-	-	1
+	-	-	-	-	2
+	<u>±</u>	-	-	-	3
+	+	-	-	-	4
+	+	<u>±</u>	-	-	5
+	+	+	-	-	6
+	+	+	<u>±</u>	-	7
+	+	+	+	-	8
+	+	+	+	<u>±</u>	9
+	+	+	+	+	10

Keterangan :

- : Tidak ada

± : Tidak Konsisten

+

Lampiran 3. Persetujuan Etik



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN
KOMITE ETIK PENELITIAN UNIVERSITAS HASANUDDIN
RSPTN UNIVERSITAS HASANUDDIN
RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR
Sekretariat : Lantai 2 Gedung Laboratorium Terpadu
JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM.10 MAKASSAR 90245.



Contact Person: dr. Agussalim Bukhari,,MMed,PhD, SpGK TELP. 081241850858, 0411 5780103, Fax : 0411-581431

REKOMENDASI PERSETUJUAN ETIK

Nomor : 663/UN4.6.4.5.31/ PP36/ 2024

Tanggal: 26 Agustus 2024

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :

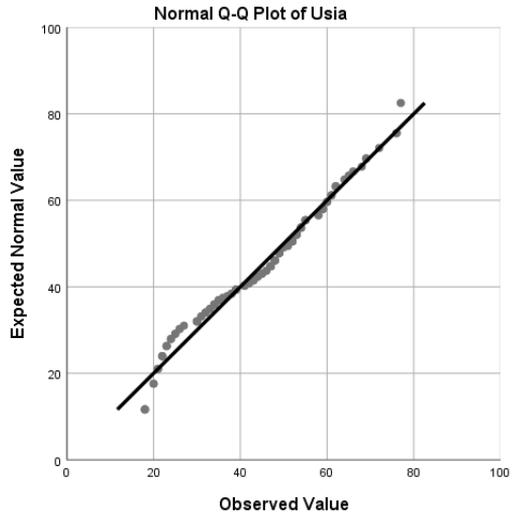
No Protokol	UH24070547	No Sponsor	
Peneliti Utama	dr. M. Akbar Yunus	Sponsor	
Judul Peneliti	Uji Validitas Metode Alternatif Penilaian Kuantitatif Nyeri (MAPKN) dalam Menilai Intensitas Nyeri Kepala		
No Versi Protokol	1	Tanggal Versi	20 Juli 2024
No Versi PSP	1	Tanggal Versi	20 Juli 2024
Tempat Penelitian	RS Universitas Hasanuddin, RSUP. Dr. Wahidin Sudirohusodo dan Jejaring Makassar		
Jenis Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Fullboard Tanggal	Masa Berlaku 26 Agustus 2024 sampai 26 Agustus 2025	Frekuensi review lanjutan
Ketua KEP Universitas Hasanuddin	Prof. dr. Muh Nasrum Massi,PhD,SpMK, Subsp. Bakt(K)	Tanda tangan 	
Sekretaris KEP Universitas Hasanuddin	dr. Firdaus Hamid, PhD, SpMK(K)	Tanda tangan 	

Kewajiban Peneliti Utama:

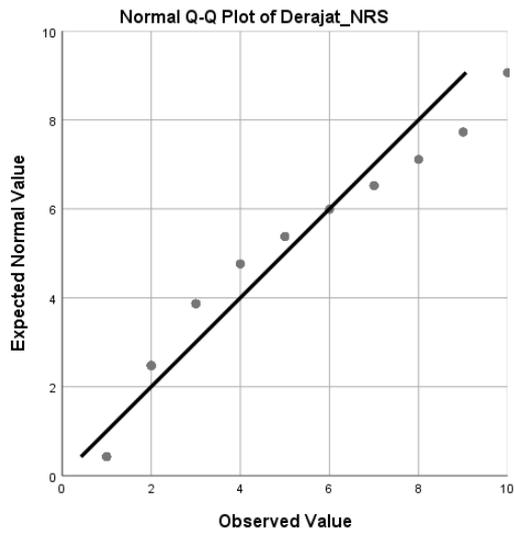
- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan Laporan SUSAR dalam 72 Jam setelah Peneliti Utama menerima laporan
- Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
- Menyerahkan laporan akhir setelah Penelitian berakhir
- Melaporkan penyimpangan dari prokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan

Lampiran 4. Hasil olahan SPSS Versi 25.

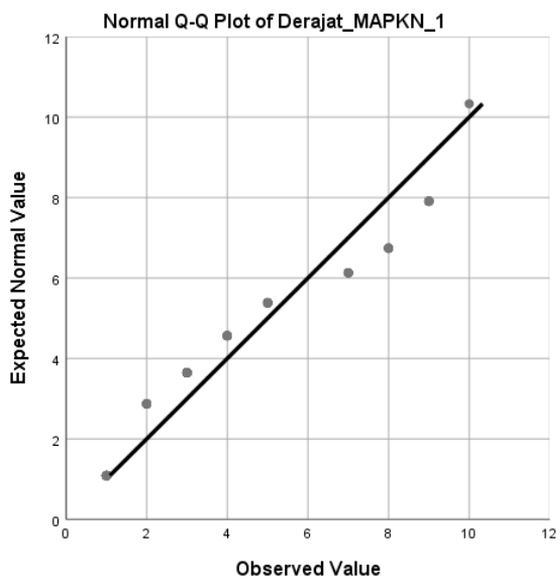
Distribusi data
Usia



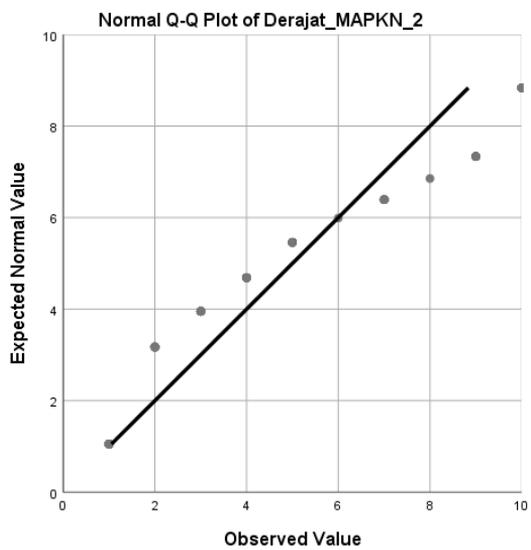
Derajat NRS



Derajat MAPKN 1



Derajat MAPKN 2



Karakteristik Subjek

		Statistics		
		Jenis_Kelamin	Usia_Kategori	Derajat_NRS_Kategori
N	Valid	110	110	110
	Missing	0	0	0
Mean		1.71	2.19	1.63
Median		2.00	2.00	1.00
Std. Deviation		.456	.818	.811
Range		1	3	2
Minimum		1	1	1
Maximum		2	4	3

		Jenis_Kelamin			Cumulative
		Frequency	Percent	Valid Percent	Percent
Valid	Laki-Laki	32	29.1	29.1	29.1
	Perempuan	78	70.9	70.9	100.0
Total		110	100.0	100.0	

		Derajat_NRS_Kategori			Cumulative
		Frequency	Percent	Valid Percent	Percent
Valid	Ringan	64	58.2	58.2	58.2
	Sedang	23	20.9	20.9	79.1
	Berat	23	20.9	20.9	100.0
Total		110	100.0	100.0	

		Diagnosa			Cumulative
		Frequency	Percent	Valid Percent	Percent
Valid	Abses Cerebri	1	.9	.9	.9
	Arachnoid Cyst	3	2.7	2.7	3.6
	Arteriovenous Fistul	2	1.8	1.8	5.5
	Arteriovenous Malfor	2	1.8	1.8	7.3
	Brain Tumor	22	20.0	20.0	27.3
	Cerebral Aneurysm	1	.9	.9	28.2
	Cerebral Infarction	16	14.5	14.5	42.7
	Cerebral Venous Sinu	10	9.1	9.1	51.8
	Chronic Post Traumat	1	.9	.9	52.7
	Chronic Small Vessel	5	4.5	4.5	57.3
	Encephalitis	1	.9	.9	58.2
	Guillain Barre Syndr	1	.9	.9	59.1
	Hemikrania Kontinua	1	.9	.9	60.0
	Intracerebral Hemorr	5	4.5	4.5	64.5
	Migrain tanpa aura	28	25.5	25.5	90.0
	Subarachnoid Hemorrh	4	3.6	3.6	93.6
	Tension Type Headach	7	6.4	6.4	100.0
	Total	110	100.0	100.0	

MAPKN

Statistics

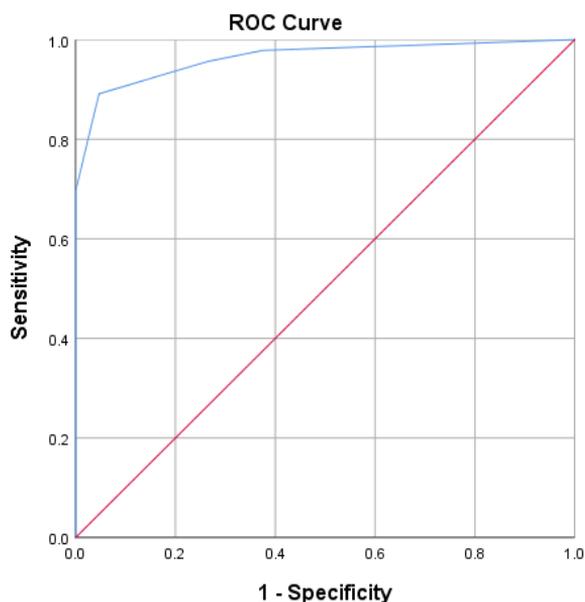
		Derajat_MAPKN_ 1	Derajat_MAPKN_ 2
N	Valid	110	110
	Missing	0	0
Mean		3.49	3.55
Std. Deviation		2.701	2.970

One-Sample Test

Test Value = 0

	t	df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference Lower	Upper
Derajat_MAPKN_1	13.553	109	.000	3.491	2.98	4.00
Derajat_MAPKN_2	12.522	109	.000	3.545	2.98	4.11

Uji Validitas MAPKN



Area Under the Curve

Test Result Variable(s): Derajat_MAPKN_1

Area	Std. Error ^a	Asymptotic Sig. ^b	Asymptotic 95% Confidence Interval	
			Lower Bound	Upper Bound
.963	.019	.000	.927	1.000

The test result variable(s): Derajat_MAPKN_1 has at least one tie between the positive actual state group and the negative actual state group. Statistics may be biased.

a. Under the nonparametric assumption

b. Null hypothesis: true area = 0.5

Correlations

		Keluhan_Nyeri_1	Gangguan_Emosi_1	Gangguan_ADL_1	Gangguan_Okupasional_1	Gangguan_Lingkungan_1	Derajat_MAPKN_1
Keluhan_Nyeri_1	Pearson Correlation	1	.846**	.467**	.359**	.234*	.714**
	Sig. (2-tailed)		.000	.000	.000	.014	.000
	N	110	110	110	110	110	110
Gangguan_Emosi_1	Pearson Correlation	.846**	1	.653**	.502**	.328**	.836**
	Sig. (2-tailed)	.000		.000	.000	.000	.000
	N	110	110	110	110	110	110
Gangguan_ADL_1	Pearson Correlation	.467**	.653**	1	.891**	.581**	.919**
	Sig. (2-tailed)	.000	.000		.000	.000	.000
	N	110	110	110	110	110	110
Gangguan_Okupasional_1	Pearson Correlation	.359**	.502**	.891**	1	.724**	.859**
	Sig. (2-tailed)	.000	.000	.000		.000	.000
	N	110	110	110	110	110	110
Gangguan_Lingkungan_1	Pearson Correlation	.234*	.328**	.581**	.724**	1	.643**
	Sig. (2-tailed)	.014	.000	.000	.000		.000
	N	110	110	110	110	110	110
Derajat_MAPKN_1	Pearson Correlation	.714**	.836**	.919**	.859**	.643**	1
	Sig. (2-tailed)	.000	.000	.000	.000	.000	
	N	110	110	110	110	110	110

** . Correlation is significant at the 0.01 level (2-tailed).

*. Correlation is significant at the 0.05 level (2-tailed).

Pearson's Significance Table

df \ α	0.2	0.1	0.05	0.02	0.01	0.001
1	0.951057	0.987688	0.996917	0.999507	0.999877	0.999999
2	0.800000	0.900000	0.950000	0.980000	0.990000	0.999000
3	0.687049	0.805384	0.878339	0.934333	0.958735	0.991139
4	0.608400	0.729299	0.811401	0.882194	0.917200	0.974068
5	0.550863	0.669439	0.754492	0.832874	0.874526	0.950883
6	0.506727	0.621489	0.706734	0.788720	0.834342	0.924904
7	0.471589	0.582206	0.666384	0.749776	0.797681	0.898260
8	0.442796	0.549357	0.631897	0.715459	0.764592	0.872115
9	0.418662	0.521404	0.602069	0.685095	0.734786	0.847047
10	0.398062	0.497265	0.575983	0.658070	0.707888	0.823305
11	0.380216	0.476156	0.552943	0.633863	0.683528	0.800962
12	0.364562	0.457500	0.532413	0.612047	0.661376	0.779998
13	0.350688	0.440861	0.513977	0.592270	0.641145	0.760351
14	0.338282	0.425902	0.497309	0.574245	0.622591	0.741934
15	0.327101	0.412360	0.482146	0.557737	0.605506	0.724657
16	0.316958	0.400027	0.468277	0.542548	0.589714	0.708429
17	0.307702	0.388733	0.455531	0.528517	0.575067	0.693163

18	0.299210	0.378341	0.443763	0.515505	0.561435	0.678781
19	0.291384	0.368737	0.432858	0.503397	0.548711	0.665208
20	0.284140	0.359827	0.422714	0.492094	0.536800	0.652378
21	0.277411	0.351531	0.413247	0.481512	0.525620	0.640230
22	0.271137	0.343783	0.404386	0.471579	0.515101	0.628710
23	0.265270	0.336524	0.396070	0.462231	0.505182	0.617768
24	0.259768	0.329705	0.388244	0.453413	0.495808	0.607360
25	0.254594	0.323283	0.380863	0.445078	0.486932	0.597446
26	0.249717	0.317223	0.373886	0.437184	0.478511	0.587988
27	0.245110	0.311490	0.367278	0.429693	0.470509	0.578956
28	0.240749	0.306057	0.361007	0.422572	0.462892	0.570317
29	0.236612	0.300898	0.355046	0.415792	0.455631	0.562047
30	0.232681	0.295991	0.349370	0.409327	0.448699	0.554119
35	0.215598	0.274611	0.324573	0.380976	0.418211	0.518898
40	0.201796	0.257278	0.304396	0.357787	0.393174	0.489570
45	0.190345	0.242859	0.287563	0.338367	0.372142	0.464673
50	0.180644	0.230620	0.273243	0.321796	0.354153	0.443201
60	0.164997	0.210832	0.250035	0.294846	0.324818	0.407865
70	0.152818	0.195394	0.231883	0.273695	0.301734	0.379799
80	0.142990	0.182916	0.217185	0.256525	0.282958	0.356816
90	0.134844	0.172558	0.204968	0.242227	0.267298	0.337549
100	0.127947	0.163782	0.194604	0.230079	0.253979	0.321095
108	0.123132	0.157649	0.187357	0.221575	0.244646	0.309533
125	0.114477	0.146617	0.174308	0.206245	0.227807	0.288602
150	0.104525	0.133919	0.159273	0.188552	0.208349	0.264316

Youden Index

No	Test Result Variable(s):			Youden Index
	Positive if Greater Than or Equal To ^a	Sensitivity	Specificity	
1	0.00	1.000	0.000	0.000
2	1.50	0.978	0.625	0.603
3	2.50	0.957	0.734	0.691
4	3.50	0.891	0.953	0.844
5	4.50	0.696	1.000	0.696
6	6.00	0.457	1.000	0.457
7	7.50	0.326	1.000	0.326
8	8.50	0.217	1.000	0.217
9	9.50	0.022	1.000	0.022
10	11.00	0.000	1.000	0.000

Uji Reabilitas MAPKN

Derajat_MAPKN_1_Kategori2 * Derajat_MAPKN_2_Kategori2 Crosstabulation

		Derajat_MAPKN_2_Kategori2		Total	
		Ringan	Sedang_Berat		
Derajat_MAPK N_1_Kategori2	Ringan	Count	64	2	66
	% of Total	58.2%	1.8%	60.0%	
	Sedang_Be rat	Count	3	41	44
	% of Total	2.7%	37.3%	40.0%	
Total	Count	67	43	110	
	% of Total	60.9%	39.1%	100.0%	

Symmetric Measures

		Value	Asymptotic	Approximate T ^b	Approximate Significance
			Standard Error ^a		
Measure of Kappa Agreement		.905	.042	9.493	.000
N of Valid Cases		110			

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Lampiran 5. Data Mentah Penelitian

No.	Nama (inisial)	Usia	JK	Diagnosis	NRS	MAPKN_1	MAPKN_2
1	H	54	L	Brain Tumor	4	5	10
2	DH	22	P	Cerebral Infarction	5	3	3
3	SR	21	P	Migrain tanpa aura	8	5	9
4	Y	48	P	Intracerebral Hemorrhage	1	1	1
5	K	49	L	Brain Tumor	9	7	7
6	AK	51	L	Tension Type Headache	2	2	2
7	I	46	P	Migrain tanpa aura	4	5	5
8	AR	26	L	Migrain tanpa aura	5	3	4
9	A	69	P	Tension Type Headache	3	3	5
10	R	68	P	Cerebral Infarction	7	7	7
11	A	35	P	Cerebral Infarction	1	1	1
12	L	39	P	Migrain tanpa aura	1	1	1
13	K	49	L	Brain Tumor	4	4	4
14	MS	41	P	Arteriovenous Fistula	3	3	3
15	S	62	L	Brain Tumor	3	3	3
16	N	31	P	Migrain tanpa aura	3	3	3
17	MA	21	L	Migrain tanpa aura	3	2	3
18	DM	32	P	Migrain tanpa aura	9	9	9
19	S	38	P	Migrain tanpa aura	8	7	7
20	K	24	L	Cerebral Infarction	7	1	1
21	MH	26	L	Brain Tumor	8	5	1
22	M	34	P	Migrain tanpa aura	6	4	2
23	SR	58	P	Migrain tanpa aura	1	1	1
24	AK	30	P	Subarachnoid Hemorrhage	9	9	9
25	F	20	P	Guillain Barre Syndrome	2	1	1
26	MA	27	P	Migrain tanpa aura	7	7	7
27	NN	23	P	Migrain tanpa aura	1	1	1
28	A	25	P	Migrain tanpa aura	4	3	3
29	WR	47	P	Migrain tanpa aura	3	2	2
30	AK	22	L	Brain Tumor	3	3	3
31	DA	77	L	Brain Tumor	1	1	1
32	P	69	P	Brain Tumor	2	3	3
33	I	39	P	Brain Tumor	4	4	4

No.	Nama (inisial)	Usia	JK	Diagnosis	NRS	MAPKN_1	MAPKN_2
34	R	53	P	Cerebral Infarction	5	5	5
35	AK	60	L	Intracerebral Hemorrhage	1	1	1
36	H	49	P	Cerebral Infarction	3	1	1
37	S	41	P	Arteriovenous Fistula	3	1	1
38	U	38	P	Cerebral Venous Sinus Trombosis	2	1	1
39	H	55	P	Migrain tanpa aura	9	9	9
40	T	37	L	Cerebral Infarction	3	1	1
41	AB	24	P	Intracerebral Hemorrhage	3	4	5
42	MA	45	L	Brain Tumor	2	3	2
43	N	39	P	Cerebral Infarction	3	2	2
44	AB	44	P	Migrain tanpa aura	3	3	3
45	Y	61	P	Cerebral Infarction	1	1	1
46	T	52	P	Chronic Small Vessels Disease	10	9	9
47	A	35	P	Brain Tumor	6	5	5
48	DH	22	P	Cerebral Infarction	3	3	2
49	SK	62	P	Cerebral Infarction	1	1	1
50	NH	59	P	Tension Type Headache	3	2	2
51	M	54	L	Encephalitis	1	1	1
52	M	61	P	Intracerebral Hemorrhage	10	9	10
53	D	46	P	Migrain tanpa aura	1	1	1
54	MS	53	P	Cerebral Venous Sinus Trombosis	10	9	10
55	AA	47	P	Migrain tanpa aura	5	5	5
56	KK	60	P	Subarachnoid Hemorrhage	10	10	10
57	H	65	P	Cerebral Infarction	2	3	1
58	R	52	P	Migrain tanpa aura	2	1	1
59	MY	72	L	Brain Tumor	2	1	1
60	W	18	P	Migrain tanpa aura	6	5	5
61	S	49	P	Cerebral Venous Sinus Trombosis	4	4	4
62	MS	58	L	Chronic Small Vessels Disease	5	4	5
63	D	59	L	Migrain tanpa aura	2	1	1
64	S	52	P	Subarachnoid Hemorrhage	10	9	10
65	PS	54	L	Abses Cerebri	1	1	1
66	M	44	P	Arachnoid Cyst	5	5	5
67	S	49	P	Cerebral Venous Sinus Trombosis	3	4	3
68	N	59	P	Chronic Small Vessels Disease	8	8	9

No.	Nama (inisial)	Usia	JK	Diagnosis	NRS	MAPKN_1	MAPKN_2
69	H	61	P	Migrain tanpa aura	2	1	1
70	S	47	L	Cerebral Infarction	2	1	1
71	V	33	P	Chronic Small Vessels Disease	2	1	1
72	DM	66	L	Subarachnoid Hemorrhage	1	4	4
73	JD	47	P	Brain Tumor	3	1	1
74	CR	32	L	Cerebral Venous Sinus Trombosis	1	1	1
75	AN	50	P	Tension Type Headache	1	1	1
76	S	42	L	Brain Tumor	10	7	10
77	S	53	P	Cerebral Infarction	3	1	1
78	Z	43	P	Brain Tumor	7	8	7
79	S	25	P	Migrain tanpa aura	1	3	1
80	M	31	P	Hemikrania Kontinua	2	2	2
81	L	33	P	Tension Type Headache	3	3	3
82	N	43	P	Brain Tumor	1	1	1
83	I	30	L	Arteriovenous Malformation of Cerebral Vessels	3	3	3
84	N	59	P	Arteriovenous Malformation of Cerebral Vessels	2	1	1
85	DR	34	P	Cerebral Aneurysm	10	9	10
86	SA	36	P	Cerebral Infarction	9	9	10
87	N	52	P	Brain Tumor	2	1	1
88	R	62	P	Chronic Small Vessels Disease	6	7	6
89	S	48	L	Brain Tumor	5	5	5
90	KL	55	P	Cerebral Venous Sinus Trombosis	5	4	4
91	D	20	L	Chronic Post Traumatic headache	1	1	1
92	IN	48	P	Migrain tanpa aura	1	1	1
93	SD	54	P	Migrain tanpa aura	3	3	2
94	A	55	L	Brain Tumor	6	4	4
95	AO	18	P	Migrain tanpa aura	2	1	1
96	R	45	P	Cerebral Venous Sinus Trombosis	2	1	1
97	R	23	P	Cerebral Venous Sinus Trombosis	5	2	2
98	N	21	P	Migrain tanpa aura	4	4	4
99	M	76	L	Tension Type Headache	5	5	5
100	S	48	L	Cerebral Infarction	7	8	8
101	N	23	P	Arachnoid Cyst	7	8	7
102	MH	34	L	Arachnoid Cyst	7	8	7
103	RS	76	L	Tension Type Headache	1	1	1

No.	Nama (inisial)	Usia	JK	Diagnosis	NRS	MAPKN_1	MAPKN_2
104	N	49	P	Cerebral Venous Sinus Trombosis	2	1	1
105	M	30	P	Brain Tumor	2	1	1
106	HM	54	P	Intracerebral Hemorrhage	1	1	1
107	YM	52	L	Cerebral Venous Sinus Trombosis	2	2	2
108	SS	43	P	Migrain tanpa aura	5	4	4
109	NN	18	P	Brain Tumor	2	1	1
110	M	64	P	Brain Tumor	1	1	1