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LAMPIRAN

Lampiran 1. Surat Ijin Penelitian

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,
RISET, DAN TEKNOLOGI
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Nomor : 02291/UN4.13/PT.01.04/2023 13 Juni 2023
Hal : **Izin Penelitian**

Yth.
1. Direktur Rumah Sakit Gigi dan Mulut Pendidikan (RSGMP) Universitas Hasanuddin
2. Direktur Rumah Sakit Perguruan Tinggi Negeri (RSPTN) Universitas Hasanuddin
3. Direktur Rumah Sakit Hermina
4. Direktur Rumah Sakit Ibnu Sina
5. Direktur Rumah Sakit Labung Baji
6. Direktur Rumah Sakit Grestelina
7. Direktur Dentamedica Care Center
Makassar

Dengan hormat kami sampaikan bahwa mahasiswa **Program Studi Pendidikan Dokter Gigi Spesialis (PPDGS) Ilmu Bedah Mulut dan Maksilofasial** Fakultas Kedokteran Gigi Universitas Hasanuddin bermaksud untuk melakukan penelitian.

Sehubungan dengan hal tersebut, mohon kiranya dapat diberikan **izin penelitian** kepada peneliti di bawah ini:

Nama / NIM	: **drg. Hendrijaya Permana / J045192003**
Waktu Penelitian	: Agustus 2021 s.d. Agustus 2022
Tempat Penelitian	: Rumah Sakit Gigi dan Mulut Pendidikan (RSGMP) Universitas Hasanuddin, Rumah Sakit Perguruan Tinggi Negeri (RSPTN) Universitas Hasanuddin, Rumah Sakit Hermina, Rumah Sakit Ibnu Sina, Rumah Sakit Labung Baji, Rumah Sakit Grestelina dan Dentamedica Care Center
Pembimbing	: Prof. Muhammad Ruslin, drg., M.Kes., Ph.D., Sp.BM.M.Subsp.Ortognat-D(K)
Judul Penelitian	: Tatalaksana Gigi Supernumerary di Regio Premolar Mandibula dan Komplikasi Pasca Operatif

Demikian permohonan kami, atas perhatian dan kerjasama yang baik diucapkan terima kasih.

a.n. Dekan,
Wakil Dekan Bidang Akademik dan Kemahasiswaan

Acing Habibie Mude, drg., Ph.D., Sp.Pros., Subsp.OGST(K).
NIP 198102072008121002

Tembusan:
1. Dekan FKG Unhas;
2. Kepala Bagian Tata Usaha FKG Unhas.

Lampiran 2. Surat Ijin Komite Etik Penelitian Kesehatan

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RUMAH SAKIT GIGI DAN MULUT
KOMITE ETIK PENELITIAN KESEHATAN
Sekretariat : Lantai 2, Gedung Lama RSGM Unhas
JL.Kandea No. 5 Makassar
Contact Person: drg. Muhammad Ikbal, Sp.Pros/Nur Aedah AR TELP. 081342971011/08114919191

REKOMENDASI PERSETUJUAN ETIK

Nomor: 0101/PL.09/KEPK FKG-RSGM UNHAS/2022

Tanggal: 27 Juli 2022

Dengan ini menyatakan bahwa protokol dan dokumen yang berhubungan dengan protokol berikut ini telah mendapatkan persetujuan etik:

No. Protokol	UH 17120681	No Protokol Sponsor	
Peneliti Utama	drg. Hendrijaya Permana	Sponsor	Pribadi
Judul Peneliti	Tatalaksana Gigi Supernumerary di Regio Premolar Mandibula dan Komplikasi Pasca Operatif		
No. Versi Protokol	1	Tanggal Versi	07 Juli 2022
No. Versi Protokol		Tanggal Versi	
Tempat Penelitian	RSGMP UNHAS		
Dokumen Lain			
Jenis Review	☐ Exempted ☒ Expedited ☐ Fullboard	Masa Berlaku 27 Juli 2022- 27 Juli 2023	Frekuensi Review Lanjutan
Ketua Komisi Etik Penelitian	Nama: Dr. drg. Marhamah, M.Kes	Tanda Tangan	Tanggal
Sekretaris Komisi Etik Penelitian	Nama: drg. Muhammad Ikbal, Sp.Pros	Tanda Tangan	Tanggal

Kewajiban peneliti utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum diimplementasikan
- Menyerahkan laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan lapor 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 protokol yang disetujui (*protocol deviation/violation)*
- Mematuhi semua aturan yang berlaku.

Lampiran 3. SOP penelitian

SOP DAN PENILAIAN EVALUASI PRE & POST OPERATIF

"TATALAKSANA GIGI SUPERNUMERARY DI REGIO PREMOLAR MANDIBULA DAN KOMPLIKASI PASCA OPERATIF"

Hendrijaya Permana, Muhammad Ruslin, Yossy Yoanita Ariestiana

---

1. **Pasien menandatangani Informed consent (IC)** persetujuan keikutsertaan dalam penelitian, setelah diberikan penjelaskan mengenai prosedur penelitian.

   A. Pasien Bersedia melakukan odontektomi gigi supernumerary di regio premolar mandibula baik secara lokal maupun general anestesi dan **WAJIB** melakukan kontrol klinis (Status perdarahan, pembengkakan, nyeri, dan trauma nervus) pada **HARI** ke **1,3 dan 7.**

      1. Perdarahan

      Kategori perdarahan dalam penelitian ini mengikuti definisi dari Universal Defenition for Perioperative Bleeding (UDPB) yang dibagi menjadi beberapa kategori berdasarkan tingkat kehilangan darah dalam 12 jam post operative.

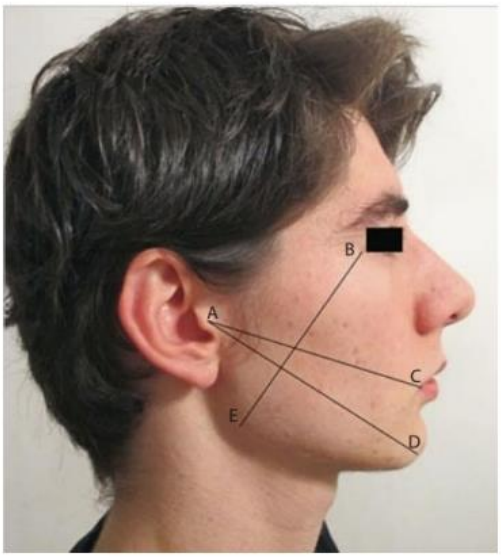
      - Mild dengan kehilangn darah < 20 ml
      - Moderate dengan kehilangan darah 20-50 ml
      - Severe) dengan kehilangan darah > 50 ml.

      2. **Pembengkakan post-operatif** dievaluasi dengan melakukan pengukuran antara soft tissue.

      Pembengkakan yang dinilai pada penelitian ini adalah pembengkakan pre dsan post operatif yang diukur menggunakan metode yang dikembangkan oleh Gabka dan Matsumara dan dimodifikasi oleh Ordulu. Dalam metode ini, dibuat tiga garis berbeda antara lima titik tertentu pada wajah. Titik-titik tersebut antara lain:

A. Titik tengah tragus
B. Kantus lateral mata
C. Sudut mulut
D. Jaringan lunak pogonion
E. Angle mandibular.

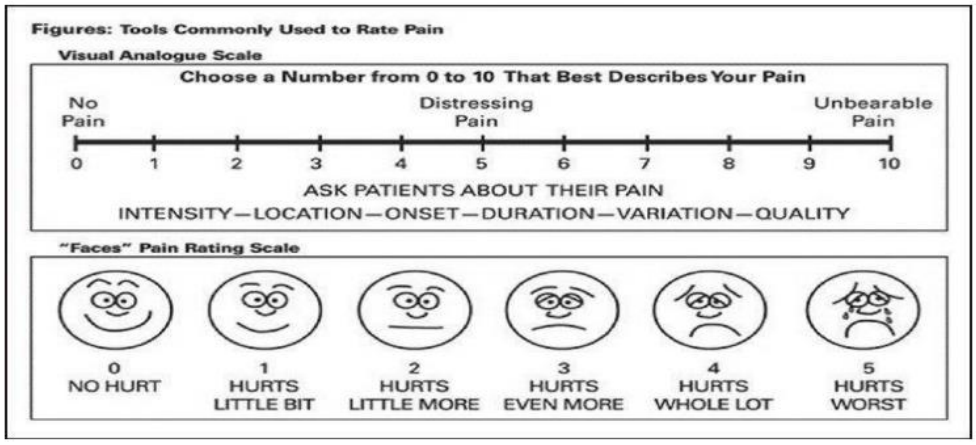
Selanjutnya dibuat tiga garis, sehingga terbentuk garis pada AC, AD, dan BE.



3. Status Nyeri di ukur menggunakan *Visual Analog Scale* (VAS)

0 (tidak sakit sama sekali) hingga 10 (sakit hebat tidak tertahankan).

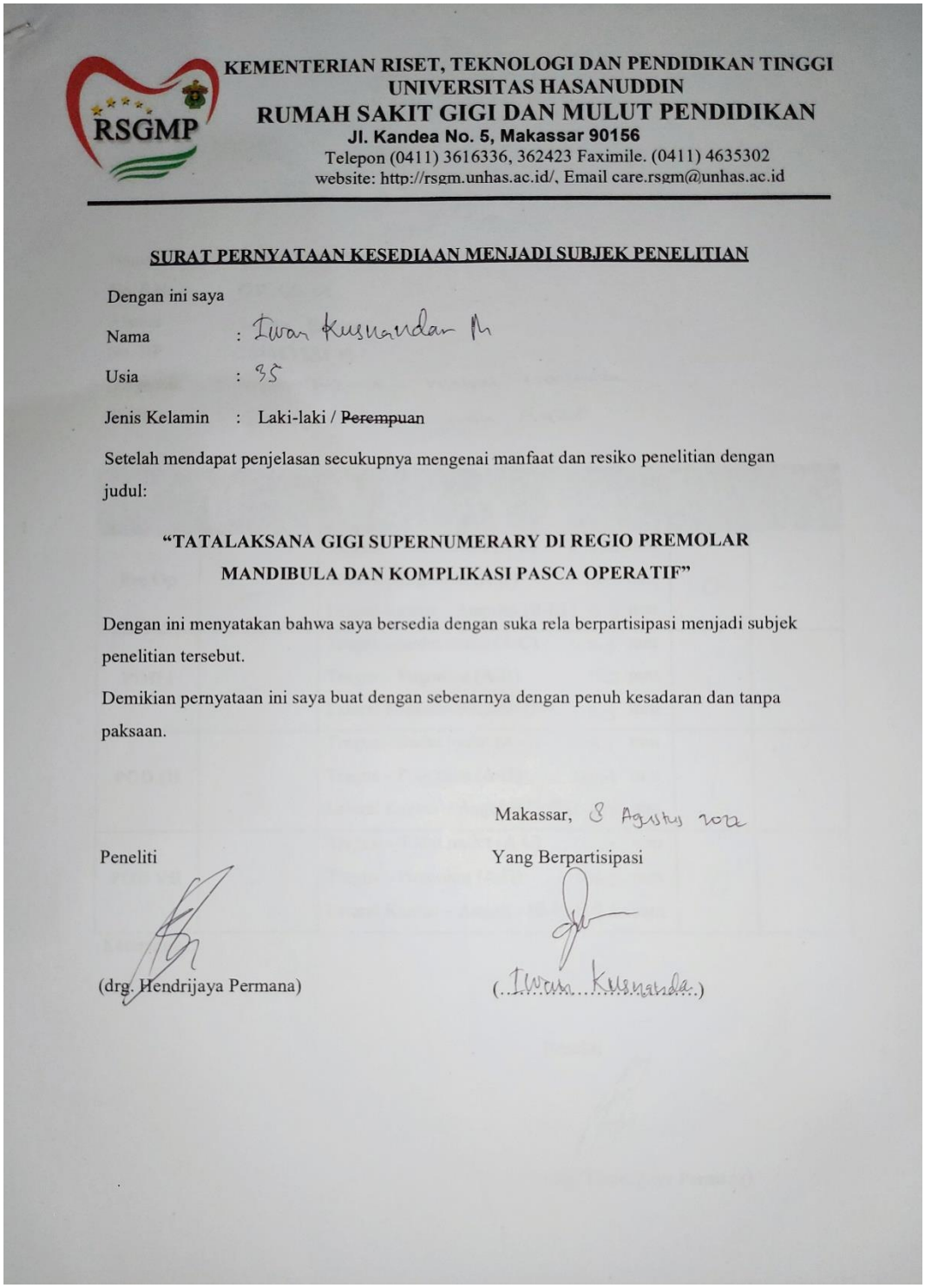
- Ringan (VAS 0-3)
- Nyeri sedang (4-7)
- Nyeri berat (8-10)



4.Trauma Nervus

Trauma intra operatif dapat mencederai nervus sehingga mengakibatkan ganguan sensori pada daerah yang diinervasi. Gangguan sensori akibat trauma nervus dapat berupa parastesi. Pemeriksaan adanya parastesia dapat dilakukan menggunakan test pin-prick, evaluasi fungsi nyeri, sentuhan, tekanan, dan pemetaan area yang terlibat.

Lampiran 4. Lembar persetujuan (*Informed Consent*)



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SURAT PERNYATAAN KESEDIAAN MENJADI SUBJEK PENELITIAN

Dengan ini saya

Nama : Iwan Kusnandar M

Usia : 35

Jenis Kelamin : Laki-laki / ~~Perempuan~~

Setelah mendapat penjelasan secukupnya mengenai manfaat dan resiko penelitian dengan judul:

"TATALAKSANA GIGI SUPERNUMERARY DI REGIO PREMOLAR MANDIBULA DAN KOMPLIKASI PASCA OPERATIF"

Dengan ini menyatakan bahwa saya bersedia dengan suka rela berpartisipasi menjadi subjek penelitian tersebut.

Demikian pernyataan ini saya buat dengan sebenarnya dengan penuh kesadaran dan tanpa paksaan.

Makassar, 8 Agustus 2022

Peneliti

(drg. Hendrijaya Permana)

Yang Berpartisipasi

(Iwan Kusnanda)

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Nama : Iwan Kusnandar
No. RM : 05.06.05
Alamat : Buntu Banggai
No. HP : 082353329579
Diagnosis : Impaksi supernumerari bilateral mandibula
Tindakan : Odontektomi dalam general Anestesi
kanan

Hari	Perdarahan	Pembengkakan	VAS	Trauma Nervus
Pre Op	–	Tragus – Sudut mulut (A-C) : 13,6 mm Tragus – Pogonion (A-D) : 16.6 mm Lateral Kantus – Angulus (B-E) : 12,6 mm	0	–
POD I	–	Tragus – Sudut mulut (A-C) : 13,9 mm Tragus – Pogonion (A-D) : 16,9 mm Lateral Kantus – Angulus (B-E) : 12,9 mm	1	–
POD III	–	Tragus – Sudut mulut (A-C) : 13,4 mm Tragus – Pogonion (A-D) : 16,9 mm Lateral Kantus – Angulus (B-E) : 12,7 mm	1	–
POD VII	–	Tragus – Sudut mulut (A-C) : 13,4 mm Tragus – Pogonion (A-D) : 16,2 mm Lateral Kantus – Angulus (B-E) : 12,6 mm	0	–

Keterangan:

Peneliti

(drg. Hendrijaya Permana)

Lampiran 5. Penilaian Perdarahan Pascaoperatif

No	Inisial	Terapi Bedah			Kategori Perdarahan		
		Bukal Approach	Lingual Approach	Kombinasi	Mild	Moderate	Severe
1	AI		1		1		
2	MF	1			1		
3	MF	1			1		
4	MA		1		1		
5	MA		1		1		
6	AP	1			1		
7	AP			1	1		
8	AP			1	1		
9	RP	1			1		
10	IP	1			1		
11	IP	1			1		
12	IP	1			1		
13	AS	1			1		
14	AS	1			1		
15	NF		1		1		
16	NF		1		1		
17	MN		1		1		
18	MN		1		1		
19	TW	1			1		
20	HR			1	1		
21	HR			1	1		
22	HR			1	1		
23	FR			1	1		
24	FR			1	1		
25	AW		1		1		
26	TT			1	1		
27	TT	1			1		
28	TT	1			1		
29	LN		1		1		
30	IK		1		1		
31	IK		1		1		
32	IK		1		1		
33	NA		1		1		
34	NA		1		1		
35	CM		1		1		
36	CM		1		1		
Jumlah		**12**	**16**	**8**	**36**	**0**	**0**

Keterangan:

Kategori perdarahan dalam penelitian ini menggunakan klasifikasi dari Ardekian *et al* yang dibagi menjadi beberapa kategori berdasarkan tingkat kehilangan darah.

• *Mild* dengan kehilangn darah < 20 ml

• *Moderate* dengan kehilangan darah 20-50 ml

• *Severe* dengan kehilangan darah > 50 ml.

Lampiran 6. Penilaian Pembengkakan Pascaoperatif

No	Inisial	Terapi Bedah			Pembengkakan (mm)															
					Pre Op				Post Op											
		Bukal Approach	Lingual Approach	Kombinasi	AC	AD	BE	Pre OP	AC	AD	BE	POD I	AC	AD	BE	POD III	AC	AD	BE	POD VII
1	AI		1		12.5	14	11.6	38.1	12.7	14.2	11.6	0.4	12.5	14.2	11.6	0.2	12.5	14	11.6	0
2	MF	1			10	10.8	9.9	30.7	10.4	11	10	0.7	10	11	10	0.3	10	11	9.9	0.2
3	MF	1			10	10.8	9.9	30.7	10.4	11	10	0.7	10	11	10	0.3	10	11	9.9	0.2
4	MA		1		11.8	13.7	11	36.5	12	13.9	11.1	0.5	12	13.8	11	0.3	11.8	13.7	11	0
5	MA		1		11.8	13.7	11	36.5	12	13.9	11.1	0.5	12	13.8	11	0.3	11.8	13.7	11	0
6	AP	1			10.2	12	11	33.2	10.4	12.2	11.3	0.7	10.2	12.1	11.2	0.3	10.2	12	11	0
7	AP			1	10.2	12	11	33.2	10.4	12.6	11.7	1.5	10.3	12.3	11.5	0.9	10.2	12.2	11.3	0.5
8	AP			1	10.2	12	11	33.2	10.4	12.6	11.7	1.5	10.3	12.3	11.5	0.9	10.2	12.2	11.3	0.5
9	RP	1			9.8	12	10.2	32	10	12.3	10.4	0.7	10	12.1	10.2	0.3	9.8	12	10.3	0.1
10	IP	1			10.2	11.2	10.8	32.2	10.2	11.4	11.2	0.6	10.1	11.3	11.1	0.3	10.2	11.2	10.9	0.1
11	IP	1			10.1	11.9	11	33	10.2	12.3	11.2	0.7	10.1	12.1	11.1	0.3	10.1	11.9	11	0
12	IP	1			10.1	11.9	11	33	10.2	12.3	11.2	0.7	10.1	12.1	11.1	0.3	10.1	11.9	11	0
13	AS	1			12	14	10	36	12.2	14.4	10	0.6	12.4	14	10	0.4	12.1	14	10	0.1
14	AS	1			12	14	10	36	12.2	14.4	10	0.6	12.4	14	10	0.4	12.1	14	10	0.1
15	NF		1		12	14	11	37	12	14.5	11	0.5	12	14.2	11	0.2	12	14	11	0
16	NF		1		12	14	11	37	12	14.5	11	0.5	12	14.2	11	0.2	12	14	11	0
17	MN		1		11	13	10	34	11	13.4	10	0.4	11	13.3	10	0.3	11	13.1	10	0.1
18	MN		1		11	13	10	34	11	13.4	10	0.4	11	13.3	10	0.3	11	13.1	10	0.1
19	TW	1			9.6	11.1	10.2	30.9	10	11.6	10.3	1	10	11.3	10.2	0.6	9.8	11.1	10.2	0.2
20	HR			1	10.3	14	10	34.3	10.5	14.2	10.4	0.8	10.5	14.1	10.2	0.5	10.4	14.1	10.2	0.4
21	HR			1	10.5	14	10.2	34.7	11.5	14.2	10.2	1.2	11.3	14.3	10.2	1.1	11	14.1	10.2	0.6
22	HR			1	10.5	14	10.2	34.7	11.5	14.2	10.2	1.2	11.3	14.3	10.2	1.1	11	14.1	10.2	0.6
23	FR			1	11	14.1	10	35.1	11.9	14.4	10.1	1.3	11.7	14.2	10.1	0.9	11.4	14.1	10.1	0.5
24	FR			1	11	14.1	10	35.1	11.9	14.4	10.1	1.3	11.7	14.2	10.1	0.9	11.4	14.1	10.1	0.5
25	AW		1		10.7	13.3	10.2	34.2	11.1	13.3	10.2	0.4	10.9	13.3	10.2	0.2	10.7	13.3	10.2	0
26	TT			1	9.6	12.6	10.1	32.3	9.9	13.3	10.4	1.3	9.7	13.1	10.4	0.9	9.7	13	10.2	0.6
27	TT	1			9.4	12.4	10.2	32	9.6	12.6	10.4	0.6	9.5	12.6	10.2	0.3	9.4	12.6	10.2	0.2
28	TT	1			9.4	12.4	10.2	32	9.6	12.6	10.4	0.6	9.5	12.6	10.2	0.3	9.4	12.6	10.2	0.2
29	LN		1		10.5	15	9.5	35	10.5	15.4	9.5	0.4	10.5	15.2	9.5	0.2	10.6	15	9.5	0.1
30	IK		1		13.3	16.4	12.8	42.5	13.6	16.5	12.8	0.4	13.6	16.4	12.7	0.2	13.3	16.7	12.6	0.1
31	IK		1		13.6	16.6	12.6	42.8	13.8	16.9	12.6	0.5	13.6	16.9	12.6	0.3	13.5	16.7	12.6	0
32	IK		1		13.6	16.6	12.6	42.8	13.8	16.9	12.6	0.5	13.6	16.9	12.6	0.3	13.5	16.7	12.6	0
33	NA		1		10	12.5	12	34.5	10	12.6	12.3	0.4	10	12.7	12	0.2	10	12.5	12	0
34	NA		1		10	12.5	12	34.5	10	12.6	12.3	0.4	10	12.7	12	0.2	10	12.5	12	0
35	CM		1		10.5	13.7	8.6	32.8	10.5	14	8.8	0.5	10.5	13.8	8.6	0.1	10.4	13.8	8.7	0.1
36	CM		1		10.5	13.7	8.6	32.8	10.5	14	8.8	0.5	10.5	13.8	8.6	0.1	10.4	13.8	8.7	0.1
Jumlah		**12**	**16**	**8**	**368**	**452**	**360**	**1180.5**	**377**	**463**	**365**	**24.4**	**374**	**458**	**362**	**14.4**	**393**	**480**	**383**	**6.2**

Keterangan:

Ukuran Pembengkakan: AC, AD, dan BE post operatif - AC, AD, BE pre operatif

Lampiran 7. Penilaian Skor VAS Pascaoperatif

No	Inisial	Terapi Bedah			Skor VAS		
		Bukal Approach	Lingual Approach	Kombinasi	POD I	POD III	POD VII
1	AI		1		1	1	0
2	MF	1			2	1	0
3	MF	1			2	1	0
4	MA		1		1	0	0
5	MA		1		1	0	0
6	AP	1			2	2	1
7	AP			1	2	2	1
8	AP			1	2	2	1
9	RP	1			1	0	0
10	IP	1			2	1	0
11	IP	1			2	1	0
12	IP	1			2	1	0
13	AS	1			2	2	1
14	AS	1			2	2	1
15	NF		1		1	1	0
16	NF		1		1	1	0
17	MN		1		2	1	0
18	MN		1		2	1	0
19	TW	1			2	1	0
20	HR			1	3	2	1
21	HR			1	3	2	1
22	HR			1	3	2	1
23	FR			1	2	1	0
24	FR			1	2	1	0
25	AW		1		2	1	0
26	TT			1	2	0	0
27	TT	1			2	0	0
28	TT	1			2	0	0
29	LN		1		1	1	0
30	IK		1		1	1	0
31	IK		1		1	1	0
32	IK		1		1	1	0
33	NA		1		1	1	0
34	NA		1		1	1	0
35	NA		1		1	1	0
36	NA		1		1	1	0
Jumlah		**12**	**16**	**8**	**61**	**38**	**8**

Lampiran 8. Penilaian Trauma Nervus Pascaoperatif

No	Inisial	Terapi Bedah			Trauma Nervus		
		Bukal Approach	Lingual Approach	Kombinasi	1 bulan	3 bulan	6 bulan
1	AI		1		S4	S4	S4
2	MF	1			S4	S4	S4
3	MF	1			S4	S4	S4
4	MA		1		S4	S4	S4
5	MA		1		S4	S4	S4
6	AP	1			S4	S4	S4
7	AP			1	S4	S4	S4
8	AP			1	S4	S4	S4
9	RP	1			S4	S4	S4
10	IP	1			S4	S4	S4
11	IP	1			S4	S4	S4
12	IP	1			S4	S4	S4
13	AS	1			S4	S4	S4
14	AS	1			S4	S4	S4
15	NF		1		S4	S4	S4
16	NF		1		S4	S4	S4
17	MN		1		S4	S4	S4
18	MN		1		S4	S4	S4
19	TW	1			S4	S4	S4
20	HR			1	S4	S4	S4
21	HR			1	S0	S2+	S4
22	HR			1	S0	S2+	S4
23	FR			1	S4	S4	S4
24	FR			1	S4	S4	S4
25	AW		1		S4	S4	S4
26	TT			1	S4	S4	S4
27	TT	1			S4	S4	S4
28	TT	1			S4	S4	S4
29	LN		1		S4	S4	S4
30	IK		1		S4	S4	S4
31	IK		1		S4	S4	S4
32	IK		1		S4	S4	S4
33	NA		1		S4	S4	S4
34	NA		1		S4	S4	S4
35	CM		1		S4	S4	S4
36	CM		1		S4	S4	S4
Jumlah		**12**	**16**	**8**	**36**	**36**	**36**

Lampiran 9. Data Karakteristik Klinis Responden

1. Terapi_Bedah

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Bukal Approach	12	33.3	33.3	33.3
	Lingual Approach	16	44.4	44.4	77.8
	Kombinasi	8	22.2	22.2	100.0
	Total	36	100.0	100.0	

2. Umur

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	10 - 20 tahun	11	30.6	30.6	30.6
	21 - 30 tahun	14	38.9	38.9	69.4
	31 - 40 tahun	8	22.2	22.2	91.7
	>40 tahun	3	8.3	8.3	100.0
	Total	36	100.0	100.0	

3. Jenis_Kelamin

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Perempuan	23	63.9	63.9	63.9
	Laki-laki	13	36.1	36.1	100.0
	Total	36	100.0	100.0	

4. Jumlah_Gigi

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Single	5	13.9	13.9	13.9
	Double	16	44.4	44.4	58.3
	>=3	15	41.7	41.7	100.0
	Total	36	100.0	100.0	

5. Lokasi Gigi

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Dextra	7	19.4	19.4	19.4
	Sinistra	4	11.1	11.1	30.6

	Bilateral	25	69.4	69.4	100.0
	Total	36	100.0	100.0	

6. Posisi Gigi

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Bukal	16	44.4	44.4	44.4
	Lingual	20	55.6	55.6	100.0
	Total	36	100.0	100.0	

7. Morfologi Gigi

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Konikal	2	5.6	5.6	5.6
	Suplemental	32	88.9	88.9	94.4
	Mixed	2	5.6	5.6	100.0
	Total	36	100.0	100.0	

8. Status Erupsi

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Tidak Erupsi	32	88.9	88.9	88.9
	Erupsi Sebagian	4	11.1	11.1	100.0
	Total	36	100.0	100.0	

9. Rumah_Sakit

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	RSGMP UNHAS	21	58.3	58.3	58.3
	RSPTN UNHAS	1	2.8	2.8	61.1
	RS Hermina	6	16.7	16.7	77.8
	RS Grestelina	4	11.1	11.1	88.9
	RS Labuang Baji	2	5.6	5.6	94.4
	Dentamedica	2	5.6	5.6	100.0
	Total	36	100.0	100.0	

10. Teknik_Anestesi

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Lokal	2	5.6	5.6	5.6
	General	34	94.4	94.4	100.0
	Total	36	100.0	100.0	

Lampiran 10. Analisis *Chi Square* Karakteristik Klinis

1. Umur

Crosstab

Count

		Terapi_Bedah			
		Bukal Approach	Lingual Approach	Kombinasi	Total
Umur	10 - 20 tahun	4	7	0	11
	21 - 30 tahun	5	5	4	14
	31 - 40 tahun	3	4	1	8
	>40 tahun	0	0	3	3
Total		6	12	16	8

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	14.842[a]	6	.022
Likelihood Ratio	15.758	6	.015
Linear-by-Linear Association	4.042	1	.044
N of Valid Cases	36		

a. 12 cells (100,0%) have expected count less than 5. The minimum expected count is ,17.

2. Jenis Kelamin

Crosstab

Count

		Terapi_Bedah			
		Bukal Approach	Lingual Approach	Kombinasi	Total
Jenis_Kelamin	Perempuan	12	5	6	23
	Laki-laki	0	11	2	13
Total		12	16	8	36

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	14.599[a]	2	.001
Likelihood Ratio	18.220	2	.000
Linear-by-Linear Association	2.557	1	.110
N of Valid Cases	36		

a. 5 cells (83,3%) have expected count less than 5. The minimum expected count is 1,17.

3. Jumlah Gigi *Supernumerary*

Crosstab

Count

		Terapi_Bedah			
		Bukal Approach	Lingual Approach	Kombinasi	Total
Jumlah_Gigi	Single	2	3	0	5
	Double	4	10	2	16
	>=3	6	3	6	15
Total		12	16	8	36

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	7.988[a]	4	.092
Likelihood Ratio	9.196	4	.056
Linear-by-Linear Association	1.006	1	.316
N of Valid Cases	36		

a. 8 cells (88,9%) have expected count less than 5. The minimum expected count is ,50.

4. Lokasi Gigi

Crosstab

Count

		Terapi_Bedah			
		Bukal Approach	Bukal Approach	Bukal Approach	Total
Posisi	Dextra	2	5	0	7
	Sinistra	2	2	0	4
	Bilateral	8	9	8	25
Total		12	16	8	36

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	5.490[a]	4	.241
Likelihood Ratio	7.609	4	.107
Linear-by-Linear Association	1.245	1	.264
N of Valid Cases	36		

a. 8 cells (88.9%) have expected count less than 5. The minimum expected count is .50.

5. Posisi Gigi

Crosstab

Count

		Terapi_Bedah			
		Bukal Approach	Lingual Approach	Kombinasi	Total
Lokasi	Bukal	11	0	5	16
	Lingual	1	16	3	20
Total		12	16	8	36

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	24.694[a]	2	.000
Likelihood Ratio	31.992	2	.000
Linear-by-Linear Association	3.589	1	.058
N of Valid Cases	36		

a. 9 cells (100.0%) have expected count less than 5. The minimum expected count is .50.

6. Morfoligi Gigi

Crosstab

Count

		Terapi_Bedah			
		Bukal Approach	Lingual Approach	Kombinasi	Total
Morfologi	Konikal	1	1	0	2
	Suplemental	10	15	7	32
	Mixed	1	0	1	2
Total		12	16	8	36

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	2.461[a]	4	.652
Likelihood Ratio	3.565	4	.468
Linear-by-Linear Association	.270	1	.603
N of Valid Cases	36		

a. 7 cells (77,8%) have expected count less than 5. The minimum expected count is ,17.

7. Status Erupsi

Crosstab

Count

		Terapi_Bedah			
		Bukal Approach	Lingual Approach	Kombinasi	Total
Status_Erupsi	Tidak Erupsi	12	12	8	32
	Erupsi Sebagian	0	4	0	4
Total		12	16	8	36

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	5.625[a]	2	.060
Likelihood Ratio	7.121	2	.028
Linear-by-Linear Association	.099	1	.753
N of Valid Cases	36		

a. 5 cells (83,3%) have expected count less than 5. The minimum expected count is ,67.

8. Rumah Sakit

Crosstab

Count

		Terapi_Bedah			
		Bukal Approach	Lingual Approach	Kombinasi	Total
Rumah_Sakit	RSGMP UNHAS	6	10	5	21
	RSPTN UNHAS	0	1	0	1
	RS Hermina	2	4	0	6
	RS Grestelina	3	0	1	4
	RS Labuang Baji	0	0	2	2
	Dentamedica	1	1	0	2
Total		12	16	8	36

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	14.964[a]	10	.133
Likelihood Ratio	17.250	10	.069
Linear-by-Linear Association	.096	1	.756
N of Valid Cases	36		

a. 18 cells (100,0%) have expected count less than 5. The minimum expected count is ,17.

9. Teknik Anestesi

Crosstab

Count

		Terapi_Bedah			
		Bukal Approach	Lingual Approach	Kombinasi	Total
Teknik_Anestesi	Lokal	1	1	0	2
	General	11	15	8	34
Total		12	16	8	36

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	.662[a]	2	.718
Likelihood Ratio	1.083	2	.582
Linear-by-Linear Association	.573	1	.449
N of Valid Cases	36		

a. 4 cells (66,7%) have expected count less than 5. The minimum expected count is ,33.

Lampiran 11. Analisis Perbandingan Waktu

1. Pembengkakan

A. Bukal *Approach*

Related-Samples Friedman's Two-Way Analysis of Variance by Ranks Summary

Total N	12
Test Statistic	35.308
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

Pairwise Comparisons

Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig.[a]
Pre_OP-POD_VII	-.750	.527	-1.423	.155	.928
Pre_OP-POD_III	-1.875	.527	-3.558	.000	.002
Pre_OP-POD_I	-2.875	.527	-5.455	.000	.000
POD_VII-POD_III	1.125	.527	2.135	.033	.197
POD_VII-POD_I	2.125	.527	4.032	.000	.000
POD_III-POD_I	1.000	.527	1.897	.058	.347

Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.

Asymptotic significances (2-sided tests) are displayed. The significance level is ,050.

a. Significance values have been adjusted by the Bonferroni correction for multiple tests.

B. Lingual *Approach*

Related-Samples Friedman's Two-Way Analysis of Variance by Ranks Summary

Total N	16
Test Statistic	45.811
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

Pairwise Comparisons

Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig.[a]
Pre_OP-POD_VII	-.437	.456	-.959	.338	1.000
Pre_OP-POD_III	-1.625	.456	-3.560	.000	.002
Pre_OP-POD_I	-2.687	.456	-5.888	.000	.000
POD_VII-POD_III	1.188	.456	2.602	.009	.056
POD_VII-POD_I	2.250	.456	4.930	.000	.000
POD_III-POD_I	1.063	.456	2.328	.020	.120

Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.

Asymptotic significances (2-sided tests) are displayed. The significance level is ,050.

a. Significance values have been adjusted by the Bonferroni correction for multiple tests.

C. Kombinasi

Related-Samples Friedman's Two-Way Analysis of Variance by Ranks Summary

Total N	8
Test Statistic	24.000
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

Pairwise Comparisons

Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig.[a]
Pre_OP-POD_VII	-1.000	.645	-1.549	.121	.728
Pre_OP-POD_III	-2.000	.645	-3.098	.002	.012
Pre_OP-POD_I	-3.000	.645	-4.648	.000	.000
POD_VII-POD_III	1.000	.645	1.549	.121	.728
POD_VII-POD_I	2.000	.645	3.098	.002	.012
POD_III-POD_I	1.000	.645	1.549	.121	.728

Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.

Asymptotic significances (2-sided tests) are displayed. The significance level is ,050.

a. Significance values have been adjusted by the Bonferroni correction for multiple tests.

2. Nyeri

A. Bukal *Approach*

Related-Samples Friedman's Two-Way Analysis of Variance by Ranks Summary

Total N	12
Test Statistic	31.364
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

Pairwise Comparisons

Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig.[a]
Pre_OP-POD_VII	-.250	.527	-.474	.635	1.000
Pre_OP-POD_III	-1.375	.527	-2.609	.009	.055
Pre_OP-POD_I	-2.375	.527	-4.506	.000	.000
POD_VII-POD_III	1.125	.527	2.135	.033	.197
POD_VII-POD_I	2.125	.527	4.032	.000	.000
POD_III-POD_I	1.000	.527	1.897	.058	.347

Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.

Asymptotic significances (2-sided tests) are displayed. The significance level is ,050.

a. Significance values have been adjusted by the Bonferroni correction for multiple tests.

B. Lingual *Approach*

Related-Samples Friedman's Two-Way Analysis of Variance by Ranks Summary

Total N	16
Test Statistic	43.677
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

Pairwise Comparisons

Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig.[a]
Pre_OP-POD_VII	.000	.456	.000	1.000	1.000
Pre_OP-POD_III	-1.656	.456	-3.629	.000	.002
Pre_OP-POD_I	-2.094	.456	-4.587	.000	.000
POD_VII-POD_III	1.656	.456	3.629	.000	.002
POD_VII-POD_I	2.094	.456	4.587	.000	.000
POD_III-POD_I	.438	.456	.959	.338	1.000

Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.

Asymptotic significances (2-sided tests) are displayed. The significance level is ,050.

a. Significance values have been adjusted by the Bonferroni correction for multiple tests.

C. Kombinasi

Related-Samples Friedman's Two-Way Analysis of Variance by Ranks Summary

Total N	8
Test Statistic	21.833
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

Pairwise Comparisons

Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig.[a]
Pre_OP-POD_VII	-.625	.645	-.968	.333	1.000
Pre_OP-POD_III	-1.750	.645	-2.711	.007	.040
Pre_OP-POD_I	-2.625	.645	-4.067	.000	.000
POD_VII-POD_III	1.125	.645	1.743	.081	.488
POD_VII-POD_I	2.000	.645	3.098	.002	.012
POD_III-POD_I	.875	.645	1.356	.175	1.000

Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.

Asymptotic significances (2-sided tests) are displayed. The significance level is ,050.

a. Significance values have been adjusted by the Bonferroni correction for multiple tests.

3. Trauma Nervus

A. Bukal *Approach*

Related-Samples Friedman's Two-Way Analysis of Variance by Ranks Summary

Total N	12
Test Statistic	.000[a]
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	1.000

a. Multiple comparisons are not performed because the overall test retained the null hypothesis of no differences.

B. Lingual *Approach*

Related-Samples Friedman's Two-Way Analysis of Variance by Ranks Summary

Total N	16
Test Statistic	.000[a]
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	1.000

a. Multiple comparisons are not performed because the overall test retained the null hypothesis of no differences.

C. Kombinasi

Related-Samples Friedman's Two-Way Analysis of Variance by Ranks Summary

Total N	8
Test Statistic	6.000[a]
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.112

a. Multiple comparisons are not performed because the overall test retained the null hypothesis of no differences.

Lampiran 12. Analisis Perbandingan Terapi Bedah

1. Pembengkakan

One-Sample Kolmogorov-Smirnov Test

		Residual for POD_I	Residual for POD_III	Residual for POD_VII
N		36	36	36
Normal Parameters[a,b]	Mean	.0000	.0000	.0000
	Std. Deviation	.12135	.10679	.06528
Most Extreme Differences	Absolute	.257	.265	.220
	Positive	.257	.194	.212
	Negative	-.218	-.265	-.220
Test Statistic		.257	.265	.220
Asymp. Sig. (2-tailed)[c]		.000	.000	.000

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

A. Pascaoperatif Hari ke-1

Independent-Samples Kruskal-Wallis Test Summary

Total N	36
Test Statistic	31.006[a]
Degree Of Freedom	2
Asymptotic Sig.(2-sided test)	.000

a. The test statistic is adjusted for ties.

Pairwise Comparisons of Terapi_Bedah

Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig.[a]
Lingual Approach-Bukal Approach	14.083	3.964	3.553	.000	.001
Lingual Approach-Kombinasi	-23.875	4.494	-5.312	.000	.000
Bukal Approach-Kombinasi	-9.792	4.737	-2.067	.039	.116

Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.

Asymptotic significances (2-sided tests) are displayed. The significance level is ,050.

a. Significance values have been adjusted by the Bonferroni correction for multiple tests.

B. Pascaoperatif Hari ke-3

Independent-Samples Kruskal-Wallis Test Summary

Total N	36
Test Statistic	26.471[a]
Degree Of Freedom	2
Asymptotic Sig.(2-sided test)	.000

a. The test statistic is adjusted for ties.

Pairwise Comparisons of Terapi_Bedah

Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig.[a]
Lingual Approach-Bukal Approach	10.146	3.847	2.637	.008	.025
Lingual Approach-Kombinasi	-22.187	4.362	-5.087	.000	.000
Bukal Approach-Kombinasi	-12.042	4.598	-2.619	.009	.026

Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.

Asymptotic significances (2-sided tests) are displayed. The significance level is ,050.

a. Significance values have been adjusted by the Bonferroni correction for multiple tests.

C. Pascaoperatif Hari ke-7

Independent-Samples Kruskal-Wallis Test Summary

Total N	36
Test Statistic	23.265[a]
Degree Of Freedom	2
Asymptotic Sig.(2-sided test)	.000

a. The test statistic is adjusted for ties.

Pairwise Comparisons of Terapi_Bedah

Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig.[a]
Lingual Approach-Bukal Approach	7.438	3.875	1.919	.055	.165
Lingual Approach-Kombinasi	-21.187	4.394	-4.822	.000	.000
Bukal Approach-Kombinasi	-13.750	4.631	-2.969	.003	.009

Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.

Asymptotic significances (2-sided tests) are displayed. The significance level is ,050.

a. Significance values have been adjusted by the Bonferroni correction for multiple tests.

2. Nyeri

One-Sample Kolmogorov-Smirnov Test

		POD_I	POD_III	POD_VII
N		36	36	36
Normal Parameters[a,b]	Mean	1.6944	1.0556	.2222
	Std. Deviation	.62425	.62994	.42164
Most Extreme Differences	Absolute	.299	.313	.479
	Positive	.256	.313	.479
	Negative	-.299	-.298	-.299
Test Statistic		.299	.313	.479
Asymp. Sig. (2-tailed)[c]		.000	.000	.000

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

A. Pascaoperatif Hari ke-1

Independent-Samples Kruskal-Wallis Test Summary

Total N	36
Test Statistic	22.068[a]
Degree Of Freedom	2
Asymptotic Sig.(2-sided test)	.000

a. The test statistic is adjusted for ties.

b. Multiple comparisons are not performed because the overall test does not show significant differences across samples.

Pairwise Comparisons of Terapi_Bedah

Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig.[a]
Lingual Approach-Bukal Approach	12.031	3.586	3.355	.001	.002
Lingual Approach-Kombinasi	-17.531	4.066	-4.312	.000	.000
Bukal Approach-Kombinasi	-5.500	4.286	-1.283	.199	.598

Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.

Asymptotic significances (2-sided tests) are displayed. The significance level is ,050.

a. Significance values have been adjusted by the Bonferroni correction for multiple tests.

B. Pascaoperatif Hari ke-3

Independent-Samples Kruskal-Wallis Test Summary

Total N	36
Test Statistic	5.701[a,b]
Degree Of Freedom	2
Asymptotic Sig.(2-sided test)	.058

a. The test statistic is adjusted for ties.

b. Multiple comparisons are not performed because the overall test does not show significant differences across samples.

C. Pascaoperatif Hari ke-7

Independent-Samples Kruskal-Wallis Test Summary

Total N	36
Test Statistic	11.797[a]
Degree Of Freedom	2
Asymptotic Sig.(2-sided test)	.003

a. The test statistic is adjusted for ties.

Pairwise Comparisons of Terapi_Bedah

Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig.[a]
Lingual Approach-Bukal Approach	4.500	2.898	1.553	.121	.362
Lingual Approach-Kombinasi	-11.250	3.286	-3.423	.001	.002
Bukal Approach-Kombinasi	-6.750	3.464	-1.949	.051	.154

Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.

Asymptotic significances (2-sided tests) are displayed. The significance level is ,050.

a. Significance values have been adjusted by the Bonferroni correction for multiple tests.

3. Trauma Nervus

One-Sample Kolmogorov-Smirnov Test

		POM_I	POM_III	POM_VI
N		36	36	36
Normal Parameters[a,b]	Mean	5.6667	5.8333	6.0000
	Std. Deviation	1.39386	.69693	.00000[e]
Most Extreme Differences	Absolute	.539	.539	
	Positive	.405	.405	
	Negative	-.539	-.539	
Test Statistic		.539	.539	
Asymp. Sig. (2-tailed)[c]		.000	.000	

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. The distribution has no variance for this variable. One-Sample Kolmogorov-Smirnov Test cannot be performed.

A. Pascaoperatif Bulan ke-1

Independent-Samples Kruskal-Wallis Test Summary

Total N	36
Test Statistic	7.206[a]
Degree Of Freedom	2
Asymptotic Sig.(2-sided test)	.027

a. The test statistic is adjusted for ties.

b. Multiple comparisons are not performed because the overall test does not show significant differences across samples.

Pairwise Comparisons of Terapi_Bedah

Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig.[a]
Kombinasi-Bukal Approach	4.500	1.909	2.358	.018	.055
Kombinasi-Lingual Approach	4.500	1.811	2.485	.013	.039
Bukal Approach-Lingual Approach	.000	1.597	.000	1.000	1.000

Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.

Asymptotic significances (2-sided tests) are displayed. The significance level is ,050.

a. Significance values have been adjusted by the Bonferroni correction for multiple tests.

B. Pascaoperatif Bulan ke-3

Independent-Samples Kruskal-Wallis Test Summary

Total N	36
Test Statistic	7.206[a]
Degree Of Freedom	2
Asymptotic Sig.(2-sided test)	.027

a. The test statistic is adjusted for ties.

Pairwise Comparisons of Terapi_Bedah

Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig.[a]
Kombinasi-Bukal Approach	4.500	1.909	2.358	.018	.055
Kombinasi-Lingual Approach	4.500	1.811	2.485	.013	.039
Bukal Approach-Lingual Approach	.000	1.597	.000	1.000	1.000

Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same.

Asymptotic significances (2-sided tests) are displayed. The significance level is ,050.

a. Significance values have been adjusted by the Bonferroni correction for multiple tests.

C. Pascaoperatif Bulan ke-6

Independent-Samples Kruskal-Wallis Test Summary

Total N	36
Test Statistic	.000[a,b]
Degree Of Freedom	2
Asymptotic Sig.(2-sided test)	1.000

a. The test statistic is adjusted for ties.

b. Multiple comparisons are not performed because the overall test does not show significant differences across samples.

Lampiran 13. Dokumentasi Kegiatan Penelitian

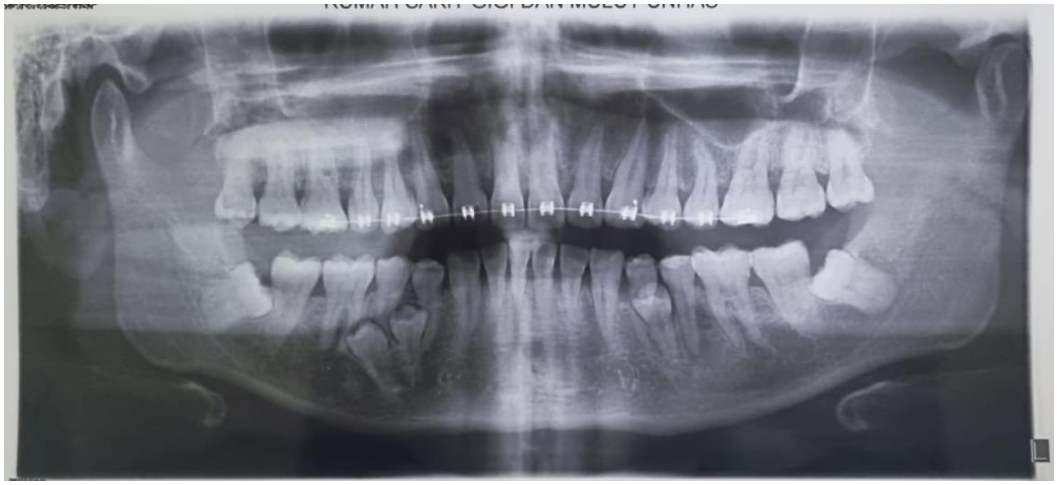
1. Pemeriksaan Klinis Ekstraoral dan Intraoral

Foto klinis ekstraoral

Foto klinis intraoral

2. Hasil OPG X-Ray dan CBCT

OPG X-Ray

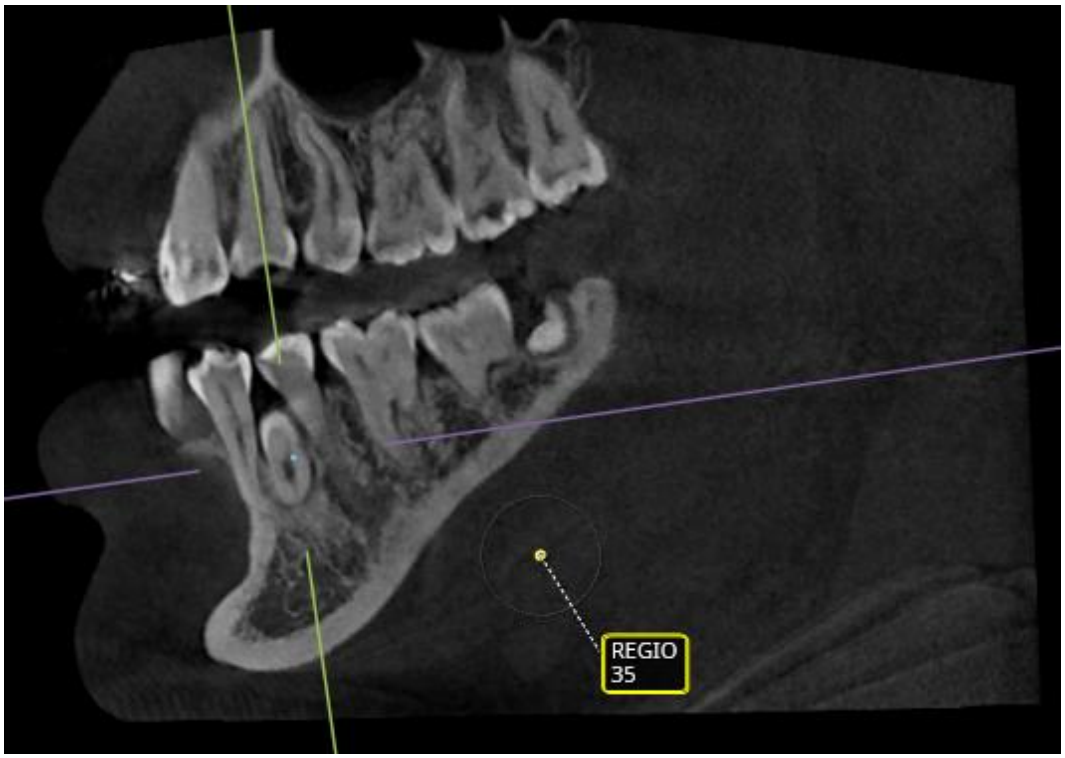


CBCT

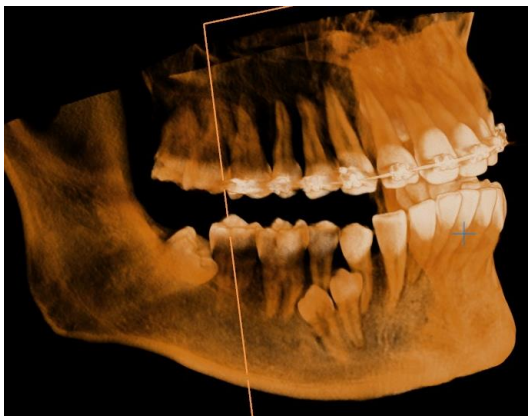
Axial view

Coronal view

Sagital view



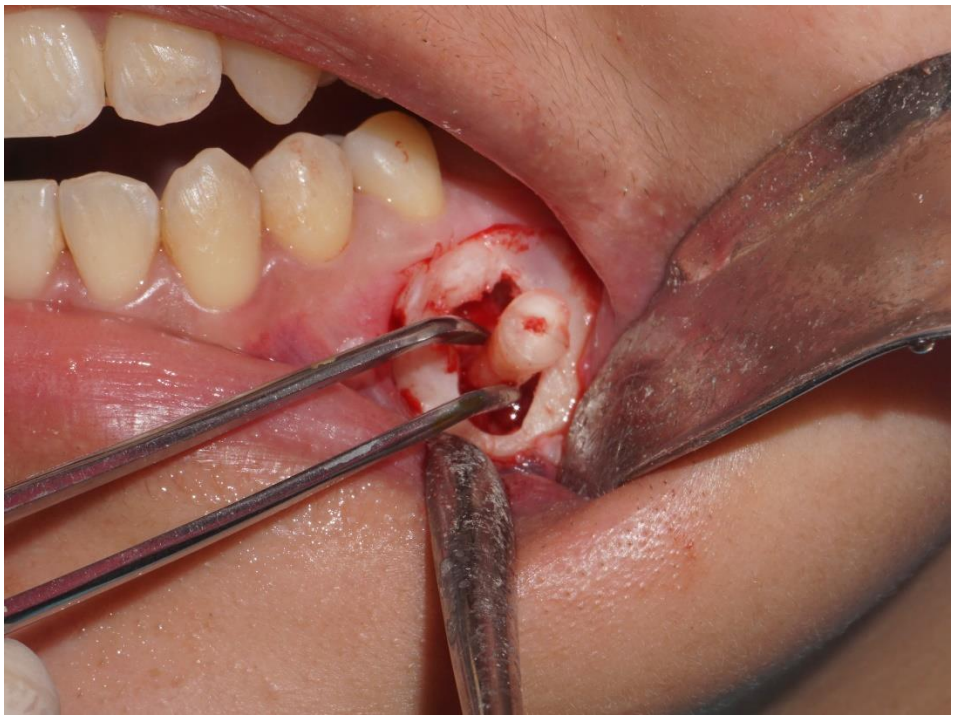
CT 3D



3. Alat dan bahan peneltian

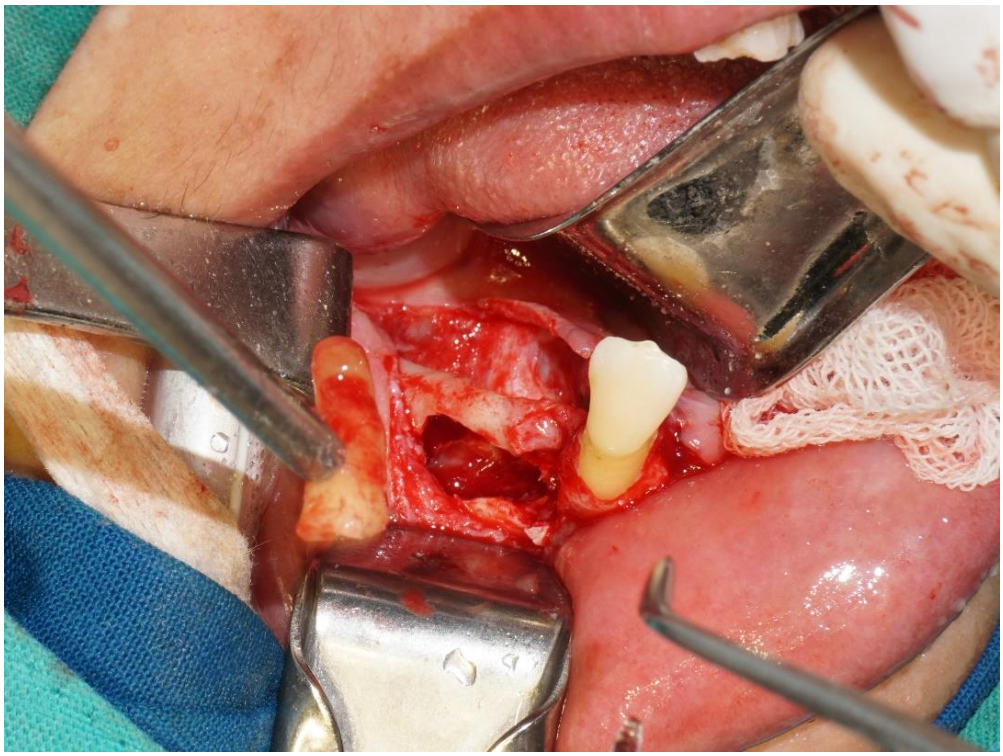
4. Tindakan operatif

Bukal *approach*



Lingual *approach*

Kombinasi



Dokumentasi di ruang operasi

5. Evaluasi pascaoperatif

Evaluasi Pembengkakan

Evaluasi Trauma Nervus

Lampiran 14. Riwayat Hidup Penulis

Data Pribadi

Nama	:	drg. Hendrijaya Permana
Tempat, Tanggal lahir	:	Megang Sakti, 5 April 1991
Jenis Kelamin	:	Laki-laki
Agama	:	Islam
Status pernikahan	:	Menikah
Alamat	:	Dsn. Mulyoasri RT/RW 001/002 des. Sumbermulyo kec. Pesanggaran kab. Banyuwangi. Jatim
No. Telp./HP	:	085233609723
Alamat e-mail	:	hendrijayapermana91@gmail.com

Pendidikan Formal

(2019 – Sekarang)	Program Pendidikan Dokter Gigi Spesialis Bedah Mulut dan Maksilofasial, Fakultas Kedokteran Gigi, Universitas Hasanuddin
(2010 – 2015)	Fakultas Kedokteran Gigi Universitas Jember
(2006 – 2009)	SMA N 1 Megang Sakti
(2003 – 2006)	SMP N 1 Megang Sakti
(1997 – 2003)	SD N 8 Megang Sakti
(1996 – 1997)	TK Al Hikmah

Partisipasi Seminar dan Pelatihan

2022	*International Conference and Dental Exhibition*. Jember 7 and 8 October 2022
2022	Workshop Fraktur Maksilofasial. Makassar, 25 Juni 2022
2022	*9th Makassar Scientific Meeting*. Makassar, 3-6 Maret 2022
2022	Kongres Nasional 2020, Persatuan Ahli Bedah Mulut dan Maksilofasial Indonesia. Bandung, 28-30 Januari 2022.
2021	*Laser in Dentistry, Sharing Case and Live Demo*. Makassar, 25-26 November 2021.
2021	*Advance Traumatology Life Support* (ATLS) *10th Edition*. Makassar, 5-6 November 2021.
2021	*Dental Implant, Clinical Skill Lab.* Makassar, 9-10 September 2021
2021	*APAN 52, Dental Telemedicine Session. Recent Updates of Orofacial Cleft Surgeries in Indonesia and Japan*. Seminar virtual via Zoom, 5 Agustus 2021.
2021	*5th International Conference on Biophysical Technology in Dentistry*. Seminar virtual via Zoom, 25-27 Maret 2021.
2020	*Virtual International Symposium Series #1. A Surgical Orthodontics Combined Treatment*. Seminar virtual via Zoom, 7 Juli 2020.
2020	*Makassar Cleft Lip and Scientific Meeting*. Makassar, 10-11 Januari 2020.
2019	*FORKINAS VI "the ABS'S Dentistry: Knowladge and Skill*". Jember 6-7 September 2019
2018	*Banyuwangi Dentistry* 2018, Banyuwangi, 1 Desember 2018
2017	Seminar Dan Rua Pdgi Lubuklinggau Dan Musirawas. Lubuklinggau, 25 November 2017
2016	FORKINAS VI. Jember 14-15 Oktober 2016
2016	DENTISPHERE 3. Surabaya, 26-27 Agustus 2016

Pengalaman Organisasi

(2013-2014)	Steering Komite UKSM DENTINE FKG UNEJ
(2012-2013)	Koordinator Departemen Pendidikan dan Penalaran Senat Mahasiswa FKG UNEJ
(2012-2013)	Ketua Umum UKSM DENTINE FKG UNEJ
(2011-2012)	Koordinator Humas PELITA UNEJ
(2011-2012)	Anggota IMLABS JEMBER
(2009-2010)	Sekertaris Umum DPM PSIK FK UNSRI
(2009-2010)	Anggota IKMS UNSRI
(2007-2008)	Pelatih PASKIBRA Megang Sakti
(2007-2009)	Pratama Putra Gugus Depan SMA N 1 Megang Sakti
(2006-2008)	Anggota OSIS SMA N 1 Megang Sakti
(2006)	Komendan Pleton PASKIBRA Megang Sakti HUT RI ke 61
(2004 – 2008)	Anggota Pelatihan Atletik Megang Sakti
(2004 – 2006)	Pradana Putra Gugus Depan SMP N 1 Megang Sakti
(2004 – 2005)	Ketua OSIS SMP N 1 Megang Sakti

Pengalaman Kerja

(2018-2019)	Rumah Sakit Yasmin Banyuwangi
(2018-2019)	Klinik Safar Medika Banyuangi
(2016-2018)	Rumah Sakit AR Bunda Lubuklinggau

Karya Tulis Terpublikasi

- Surgical management of dentigerous cyst arises from ectopic tooth: A report of three consecutive cases and literature review

Journal of Stomatology oral and Maxillofacial Surgery 125 (2024) 101685, doi://doi.org/10.1016/j.jormas.2023.101685

- Multiple Impacted Teeth in Mandibular Partial Edentulous

Makassar Dental Jurnal. April 2023; 12(1): 32-35 DOI 10.35856/mdj.v12il.175

- Kelarutan Kalsium Enamel pada Saliva Penderita Tunanetra

Dentofasial, Vol.13, No.3, Oktober 2014:150-154

- Potensi Enzim Bromelin Pada Bonggol Nanas (Ananas comosus) Sebagai Bahan Anti Plak Dalam Pasta Gigi

Berkala Ilmiah Mahasiswa kedokteran Gigi Indonesia (BIMKGI) Indonesian Dental Student Jurnal 2013; Vol 2 No1

- Peran Enzim Bromelin pada Bonggol Nanas dalam Mengurai Perlakatan Bakteri Plak

Jurnal ilmiah dan teknologi kedokteran gigi 2012 Vol 9 N0 1

- Inovasi Biomateral Direct Pulp Capping Menggunakan Kitosan Limbah Udang

Jurnal Material Kedokteran Gigi 2012; 1 (1): 86-91

Artikel Terpublikasi:

- Pahami Proses Pertumbuhan Gigi Geraham Bungsu

Jawa Post Radar Banyuwangi. Selasa, 17 Juli 2018.