

## STAFF HANDBOOK



### Doctor of Dental Medicine

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Name	Prof. drg. Muhammad Ruslin, M.Kes., Ph.D., Sp.B.M.M., Subsp. Orthognat-D (K)		
Position	Dean of the Faculty of Dentistry, Hasanuddin University		
Research Interest	Orthognatic Surgery and Osteodistraktion, Cleft Lip and Palate, Oral and Maxillofacial Implantology, Material and Tissue Engineering.		
Academic career	Initial Academic Appointment	Institution	Year
	S1(Bachelor and Profession)	Faculty of Dentistry, Hasanuddin University	2000
	S2 (Master Degree)	Faculty of Medicine, Padjajaran University	2009
	SP-1 (Clinical Specialty of Oral and Maxillofacial Surgery)	Faculty of Dentistry, Padjajaran University	2009
	SP-2 (Consultant of Orthognatic Surgery and Osteodistraktion)	Indonesian Collegium of Oral and Maxillofacial Surgery	2017
	S3 (Doctoral of Philosophy)	VU University Medical Center/Academic Center for Dentistry Amsterdam (ACTA), Amsterdam, TheNetherlands	2019
Employment	Position	Employer	Period
	Dean of the Faculty of Dentistry	Hasanuddin University	2019-Present
	Director	Hasanuddin University Dental Hospital	2015-2019
	Editorial Chief	Journal of Dentomaxillofacial Science	2017-Present
	Staff	Department of Oral and Maxillofacial	2001-Present

		Surgery, Faculty of Dentistry, Hasanuddin University		
Research and development projects over the last 5 years	Name of project or research focus	Period and any other information	Partners, if applicable	Amount of financing
	1. Analysis of Bone to Implant Contact (BIC) Post Implant Placement with 15% Chorea Vulgaris Gel Bioactive Material and Platelet Rich Plasma (PRP)	2019		
	2. Utilization of Brown Algae (Phaeophyta) Type Pedina Sp. From Makassar Strait Waters as Basic Material for Analgesic and Anti-Bleeding in Dentistry	2018		
Industry collaborations over the last 5 years	Project title		Partners	
	1. Obat Gel Anti Perdarahan dan Obat Kumur Anti Perdarahan		1. PT. Phapros, Jakarta	
	2. Cleft, Ameloblastoma, Prosthetic Maxillofacial		2. Universitair Medische Centra, Amsterdam, The Netherlands	
	3. Alpha-Former Bone Graft		3. China Medical university, Taipei Medical university, Taipei	
	4. Collaborative Project for the Basic and Clinical Education of Facial Reconstruction in Indonesian School of Dentistry		5. Seoul National University, Korea Selatan	
	Title		Year	

Patents and proprietary rights	1. Masa Pandemi Covid-19 dan Adaptasi Kebiasaan Baru dalam Bidang Kedokteran Gigi	2020		
	2. Buku Ajar Bedah Mulut dan Maksilofasial: Teori dan Praktik Dasar	2019		
	3. Anestesi Lokal dalam Kedokteran Gigi	2019		
	4. <i>Maxillofacial Fractures Association with Accidents: Epidemiology and Consequences</i>	2018		
Important publications over the last 5 years	Title	Journal/Book	Year	Co-author(s)
	1. Assessment of a Novel Application of the Capture-Trip-Terminate Approach for Treating Aerosol Products During Dental Procedures	Journal of Medical Devices	2023	Muh Anshar, Erni Marlina, Yossy Yoanita, Dewiani Djamaluddin, Muhammad Arsyad Thaha, Muhammad Rusman, Andi Sitti Hajrah Yusuf
	2. Effectiveness of Marine Bioactive Compound Fucoidan in Stimulating Osteoblast Cells Formation: A Systematic Review	Open Access Macedonian Journal of Medical Sciences	2023	N Hamrun, DW Purnamasar, ASH Yusuf,
	3. Patient satisfaction postorthognathic surgery in Makassar	Makassar Dental Journal	2023	IH Ibnu, EH Habar
	4. Stem Cell-Based Tissue Engineering for Cleft Defects: Systematic Review and Meta-Analysis	The Cleft Palate Craniofacial Journal	2023	DSN Kalla, SA Alkaabi, A Fauzi, A Tajrin, R Nurrahma, NN Nasrun, CD Sahrir, T Forouzanfar, MN Helder,

5. A network meta-analysis assessing the effectiveness of various radical and conservative surgical approaches regarding recurrence in treating solid/multicystic ameloblastomas	Scientific Reports	2023	FN Hendra, MN Helder, EMV Cann, T Forouzanfar
6. Evaluation of sagittal root position and labial alveolar bone concavity in the maxillary anterior tooth area for immediate implant placement	Journal of the Chinese Medical Association	2023	M Ikbal, YW Shen, , LJ Fuh, JT Hsu
7. Effect of various post-curing light intensities, times, and energy levels on the color of 3D-printed resin crowns	Journal of Dental Sciences	2023	CD Sahrir, SY Lee, WC Lin
8. Utilization of virtual reality and augmented reality in the oral and maxillofacial surgery	Makassar Dental Journal	2023	C Stevanie
9. Bulimia nervosa and oral cavity: a review of the literature	Dental Cadmos	2022	PAOLO BOFFANO, F Cavarra, G Tricarico, A Melle, M Ru Vincenzo ROCCHETTI
10. 11. In Vitro Evaluation of the Strength of Dentin Replacement in Complex Posterior Tooth Restoration	Applied Sciences	2022	Nurhayaty Natsir, Farida Rahim, Juni Jekti Nugroho, Christine Anastasia Rovani, Syamsiah Syam, Takashi Saito, Keng-Liang Ou

12. Microfragmented fat (MFAT) and BCP for alveolar cleft repair: A prospective clinical trial protocol	J Clin Exp Dent	2022	DSN Kalla, SA Alkaabi, A Fauzi, A Tajrin, R Nurrahma, WEG Müller, HC Schröder, Z Wang, Tymour Forouzanfar, MN Helder,
13. A prospective control clinical trial using microfragmented fat (MFAT) and BCP for the treatment of alveolar clefts	J Clin Exp Dent	2022	DSN Kalla, SA Alkaabi, A Fauzi, A Tajrin, R Nurrahma, NE Nasrun, CD Sahrir, T Forouzanfar, MN Helder,
14. Influence of patient-related factors on intraoperative blood loss during double opposing Z-plasty Furlow palatoplasty and buccal fat pad coverage: A prospective study	J Clin Exp Dent	2022	DSN Kalla, SA Alkaabi, A Fauzi, A Tajrin, R Nurrahma, NN Nasrun, CD Sahrir, T Forouzanfar, MN Helder,
15. Quality of life following maxillofacial trauma in the elderly: A multicenter, prospective study	Oral and Maxillofacial Surgery	2021	Paolo Boffano
16. The epidemiology and management of ameloblastomas: A European multicenter study	Journal of Cranio-Maxillofacial Surgery	2021	Paolo Boffano
17. Bioactivity and Bone Cell Formation with Poly-e-Caprolactone/Bioceramic 3D Porous Scaffolds	Polymers	2021	Poi-Kai Juan
18. Vitamin D Receptor Gene Polymorphism as a Risk factor for Chronic Periodontitis	Research Square	2021	Nurlinda Hamrun

	19. Surface Properties and Biocompatibility and Anodizes Titanium with a Potential Pretreatment for Biomedical Applications	Metals	2021	Bai-Hung Huang
	20. Microstructural Characteristics and Cellular Responses of a Potential Germanium Bearing Titanium Binary Alloy for Dental Applications	Materials Characterization	2021	Takaaki Ueno
	21. Polyphosphate (PolyP) for Alveolar Cleft Repair: Study Protocol for a Pilot Randomized Controlled Trial	BMC	2021	S.A Alkaabi
	22. Optimization Shape-Memory Situations of Stimulus Responsive Composite Material	Polymers	2021	Wei-Chun Lin
	23. Calcium Release from Different Toothpaste after the Incorporation of Tricalcium Phosphate and Amorphous Calcium phosphate	Applied Sciences	2021	Ping-Jen Hou
	24. One-year stability of the mandibular advancement and counterclockwise rotation for correction of the skeletal class II malocclusion and high mandibular plane angle: Dental and skeletal aspect	Biomedical Journal	2021	Muhammad Ruslin
	25. Optimization shape-memory situations of a stimulus responsive composite material	Polymers	2021	Wei-Chun Lin
	26. Calcium release from different toothpastes after the incorporation of tricalcium phosphate and amorphous calcium phosphate	Applied Sciences	2021	Ping-Jen Hou

	27. A tailored biomimetic hydrogel as potential bioink to print a cell scaffold for tissue engineering applications: Printability and cell viability evaluation	Applied Sciences	2021	Shyuan-Yow Chen
	28. A promising biomimetic surface enhances cell proliferation and adhesion	Journal of Alloys and Compounds	2020	Fang-Yu Fan
	ability for promoting early-stage osseointegration			
	29. The recurrence rate of oral benign lesions which treated with dredging and obturator,	Systematic Review in Pharmacy	2020	Andi Tajrin
	30. Epidemiology of maxillofacial trauma in the elderly: A European multicenter study.	Journal of Stomatology, Oral and Maxillofacial Surgery	2020	M.Brucoli
	31. Management of maxillofacial trauma in the elderly: A European multicenter study	Dental Traumatology	2020	Matteo Brucoli
	32. Management of mandibular condylar fractures in patients with atrophic edentulous mandibles	Journal of Stomatology oral and Maxillofacial Surgery	2019	Matteo Brucoli
	33. Prevalence and risk factors of oral mucositis in children with acute lymphoblastic leukemia in Dr. Soetomo Hospital Surabaya Indonesia	Enfermeria Clinica	2020	Muhammad Ruslin
	34. Surgical management of unilateral body fractures of the edentulous atrophic mandible,	Oral and Maxillofacial Surgery	2019	Matteo Brucoli
	35.. Toxicity test of bioactive red alga extract Eucheuma spinosum on shrimp artemia salina leach	Systematic Review in Pharmacy	2020	Nurlindah Hamrun

	36. Analysis of the total level of flavonoids in the brown algae (Phaeophyceae) extract as analgesic and anti-inflammatory drugs	Pesquisa Brasileira em Odontopediatria e Clínica Integrada	2020	Andi Tajrn
	37. Effect of the application of chlorella vulgaris ointment to the number of fibroblast cells as an indicator of	Pesquisa Brasileira em Odontopediatria	2020	Edy Machmud
	wound healing in the soft tissue of pig	e Clínica Integrada		
	38. The potential of a nanostructured titanium oxide layer with self-assembled monolayers for biomedical applications: Surface properties and biomechanical behaviors	Applied Sciences	2020	Wei-Chien Lan
	39. Global incidence and profile of ameloblastoma: A systematic review and meta-analysis	Oral Diseases	2019	Faqi Nurdiansyah Hendra
	40. The Use of neuron-specific enolase to predict mild brain injury in motorcycle crash patients with maxillofacial fractures: A pilot study	Chinese Journal of Traumatology	2019	Muhammad Ruslin
	41. The epidemiology of edentulous atrophic mandibular fractures in Europe	Journal of Cranio-Maxillofacial Surgery	2019	Matteo Brucoli
	42. Establishing cleft services in developing countries: Complications of cleft lip and palate surgery in rural areas of Indonesia	Archives of plastic surgery	2019	Muhammad Ruslin
	43. Motor vehicle accidents-related maxillofacial injuries: a multicentre and prospective study	Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology	2019	Muhammad Ruslin



	44. Analysis of total flavonoid levels in brown algae ( <i>Sargassum</i> sp. and <i>Padina</i> sp.) as analgesic drug therapy	Asian Journal of Pharmaceutical and Clinical Research	2018	Muhammad Ruslin
	44. Utilization of pedicled buccal fat pads for coverage of the lateral relaxing wound: A review of literature and a case series of 15 patients	Journal of Clinical and Experimental Dentistry	2018	Muhammad Ruslin
	45. The epidemiology, treatment, and complication of ameloblastoma in East-Indonesia: 6 years retrospective study	Medicina Oral patologia oral y Cirugiaucal	2018	Muhammad Ruslin
	46. The influence of helmet on the prevention of maxillofacial fractures sustained during motorcycle accident	Cogent Engineering	2018	Muhammad Ruslin
	47. The potential of the stem cells composite hydrogel wound dressings for promoting wound healing and skin regeneration: In vitro and in vivo evaluation	Journal of Biomedical Materials Research	2018	Ling-Chuan Hsu
	48. Evaluation of surface characteristics and hemocompatibility on the oxygen plasma-modified biomedical titanium	Metals	2018	His-Jen Chiang
	49. An innovative $\alpha$ -calcium sulfate hemihydrate bioceramic as a potential bone graft substitute	Journal of the American Ceramic Society	2017	Heng-Jui Hsu
	50. Assessing the need for a protocol in monitoring weight loss and nutritional status in orthognathic surgery based on patients experiences	Journal of Clinical and Experimental Dentistry	2017	Muhammad Ruslin

	51.Hybrid micro/nanostructural surface offering improved stress distribution and enhanced osseointegration properties of the biomedical titanium implant	Journal of the Mechanical Behavior of Biomedical Materials	2017	Ping-Jen Hou
	51. The application of silver nano-particles on developing potential treatment for chronic rhinosinusitis: Antibacterial action and cytotoxicity effect on human nasal epithelial cell model	Materials Science and Engineering	2017	Shyuan-Yow Chen
	52.3D assessment of damaged bicycle helmets and corresponding craniomaxillo-mandibular skull injuries: A feasibility study	Injury	2017	Gustaaf J C Van Baar
Activities in specialist bodies over the last 5 years	Organization		Role	Period
	1. International Association of Oral and Maxillofacial Surgeons		Counselor	2014-Present
	2. Young Oral and Maxillofacial Surgeon Group of Hong Kong		<i>International Relation Officer</i>	2013-Present
	3. Indonesia Collegium of Oral and Maxillofacial Surgery		Vice President	2017-Present
	4. Holland Alumni Network Celebes – NL Alumni Network Sulawesi Selatan		Head	2019-Present