

## DAFTAR PUSTAKA

1. Fini MB. What dentists need to know about COVID-19. *Oral Oncology*. 2020 : 1-2
2. Macchi J, Herskovitz J, Senan AM, Dutta D, Nath B, Oleynikov MD. The natural history, pathobiology, and clinical manifestations of SARS-CoV-2 infections. *J Neuroimmune Pharmacol*. 2020; 15(3).
3. World Health Organization. WHO coronavirus (COVID-19) dashboard [Internet]. Geneva : World Health Organization; 2020 [updated 2021 Nov 26; cited 2021 Nov 27] Available from: <https://covid19.who.int/>
4. Tim Komunikasi Komite Penanganan COVID-19 dan Pemulihan Ekonomi Nasional. Peta sebaran COVID-19. [Internet]. Jakarta : Satuan Tugas Penanganan COVID-19 Indonesia. [cited 2021 Nov 27]. Available from : <https://covid19.go.id/peta-sebaran-covid19>
5. Sampson V, Kamona N, Sampson A. Could there be a link between oral hygiene and the severity of SARS-CoV-2 infections?. *British Dent J*. 2020; 228 (12): 971-2
6. Zhong M, Lin B, Pathak JL, Gao H, Young AJ, Wang X, et al. Ace2 and furin expressions in oral epithelial cells possibly facilitate covid- 19 infection via respiratory and fecal-oral routes. *Front Med*. 2020; 7: 2
7. Xiang Z, Koo H, Chen Q, Zhou X, Liu Y, Simon-Soro A. Potential implications of SARS-CoV-2 oral infection in the host microbiota. *J Oral Micro*. 2020; 13: 1-2
8. Soffritti I, D'Accolti M, Fabbri C, Passaro A, Manfredini R, Zuliani G, et al. Oral microbiome dysbiosis is associated with symptoms severity and local immune/inflammatory response in covid-19 patients: a cross-sectional study. *Front Microbiol*. 2021; 12: 2, 5-7
9. Patel KP, Vunnam SR, Patel PA, Krill KL, Korbitz PM, Gallagher JP, et al. Transmission of SARS-CoV-2: an update of current literature. *Eur J Clin Microbiol Infect Dis*. 2020.
10. Iranmanesh B, Khalili M, Amiri R, Zartab H, Aflatoonian M. Oral manifestations of covid-19 disease: a review article. *Derma Therapy*. 2020; e14587: 1
11. Vyas T, Khanna SS, Vadlamudi A, Bagga SK, Gulia SK, Marripudi M. Corona virus disease bring a new challenge for the dentistry: a review. *J Family Med Prim Care*. 2020; 9: 3883
12. Tang X, Wu C, Li X, Song Y, Yao X, Wu X, et al. On the origin and the continuing evolution of SARS-CoV-2. *National Science Review*. 2020; 7: 1012-3
13. Andersen KG, Rambaut A, Lipkin WI, Holmes EC, Garry RF. The proximal origin of SARS-CoV-2. *Nature Med*. 2020; 26: 450
14. Liu YC, Kuo RL, Shih SR. COVID-19: The first documented coronavirus pandemic in history. *Biomed J*. 2020; 43: 328, 331
15. Yang Y, Xiao Z, Ye K, He X, Sun B, Qin Z, et al. SARS-CoV-2: characteristics and current advances in research. *Virology Journal*. 2020: 17; 1

16. Astuti I, Ysrafil. Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2): an overview of viral structure and host response. *Diabetes & Metabolic Syndrome : Clinical Research & Reviews*. 2020; 14: 407-8
17. Khan M, Adil SF, Alkhathlan HZ, Tahir MN, Saif S, Khan M, et al. COVID-19 : a global challenge with old history epidemiology and progress so far. *Molecules*. 2021; 26 (39) : 9-10
18. Wang H, Li X, Li T, Zhang S, Wang L, Wu X, et al. The genetic sequence, origin, and diagnosis of SARS-CoV-2. *European Journal of Microbiology and Infectious Disease*. 2020
19. Platto S, Wang Y, Zhou J, Carafoli E. History of the COVID-19 pandemic: Origin, explosion, worldwide spreading. *Biochemical and Biophysical Research Communications*. 2021; 538: 18-22
20. Kirtipal N, Bharadwaj S, Kang SG. From SARS to SARS-CoV-2, insights on structure, pathogenicity, and immunity aspects of pandemic human coronavirus. *Infections, Genetics, and Evolution*. 2020; 85: 4-5
21. Berekaa MM. Insights into the COVID-19 pandemic : origin, pathogenesis, diagnosis, and therapeutic interventions. *Frontiers in Bioscience*. 2021; 13: 121
22. Yesudhas D, Srivastava A, Gromiha MM. COVID-19 outbreak: history, mechanism, transmission, structural studies, and therapeutics. *Infection*. 2020 : 4
23. Salian VS, Wright JA, Vedell PT, Nair S, Li C, Kandimalla M, et al. COVID-19 transmission, current treatment, and future therapeutic strategies. *Molecular Pharmaceutics*. 2020.
24. Singh SP, Pritam M, Pandey B, Yadav TP. Microstructure, pathophysiology, and potential therapeutics of COVID-19: A Comprehensive review. *J Med Virol*. 2020.
25. Yuki K, Fujioji M, Kuotsogiannaki S. COVID-19 pathophysiology : a review. *Clin Immunol*. 2020; 215: 2-3
26. Li X, Geng M, Peng Y, Meng L, Lu S. Molecular immune pathogenesis and diagnosis of COVID-19. *Journal of Pharmaceutical Analysis*. 2020; 10: 104-5
27. Rahman S, Montero MTV, Rowe K, Kirton R, Kunik F. Epidemiology, pathogenesis, clinical presentations, diagnosis and treatment of COVID-19: a review of current evidence. *Expert Review Of Clinical Pharmacology*. 2021; 14 (5): 4–5
28. Bergmann CC, Silverman SH. COVID-19: coronavirus replication, pathogenesis, and therapeutic strategies. *Cleveland Clinic Journal of Medicine*. 2020; 87 (6): 322-3
29. Derruau S, Bouchet J, Nassif A, Baudet A, Yasukawa K, Lorimier S, Precheur I. COVID-19 and dentistry in 72 questions : an overview of the literature. *J Clin Med*. 2021; 10 (779): 16
30. Fini MB. Oral saliva and COVID-19. *Oral Oncology*. 2020; 108: 2-3.
31. Naserghandi A, Allameh SF, Saffarpour R. All about COVID-19 in brief. *New Microbes and New Infections*. 2020; 35 (C) : 2

32. Esakandari H, Afjadi MN, Afjadi JF, Farahmandian N, Miresmaeili SM, Bahreini E. A comprehensive review of COVID-19 characteristics. *Biological Procedures Online*. 2020; 22 (19): 1-2
33. Winters R, Brizuela M. Histology, oral mucosa. [Updated 2021 Jun 9]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing. 2021.
34. Zajac JC, Abbate O, Oh AK, Rivas EM, Aivaz M, Wang R, et al. Dental topics for plastic surgeons, part one: normal anatomy: growth, and development. *J Craniofac Surg*. 2020; 31: 1168-9
35. Jose M. *Essentials of oral biology: oral anatomy, histology, physiology, and embryology*. 2nd Ed. New Delhi: CBS Publishers & Distributors. 2017. p. 510-5
36. Sawa Y, Ibaragi S, Okui T, Yamashita J, Ikebe T, Harada H. Expression of SARS-CoV-2 entry factors in human oral tissue. *J Anatom*. 2021; 238: 1341
37. Peng J, Sun J, Zhao J, Deng X, Guo F, Chen L. Age and gender differences in ACE2 and TMPRSS2 expressions in oral epithelial cells. *J Transl Med*. 2021; 19 : 1
38. Orozco MFS, Martinez NN, Castanon GAM, Marin NP, Valencia CS, Velazquez FAD, et al. Presence of SARS-CoV-2 and its entry factors in oral tissues and cells: a systematic review. *Medicina*. 2021; 57: 1,4-5
39. Halboub E, Al-Maweri SA, Alanazi RH, Qaid NM, Abdulrab S. Orofacial manifestations of COVID-19: a brief review of the published literature. *Braz O Oral Res*. 2020; 34(124): 1
40. Tsuchiya H. Oral symptoms associated with COVID-19 and their pathogenic mechanisms: a literature review. *Dent J*. 2021; 9 (32): 1-2,14-16,18-19
41. Atukorallaya DS, Ratnayake RK. Oral mucosa, saliva, and covid-19 infection in oral health care. *Front Med*. 2021; 8: 3
42. Kusiak A, Cichonska D, Tubaja M, Skorek A, Fossa BAJ, Corrao G. COVID-19 manifestation in the oral cavity – a narrativeliterature review. *ACTA Otorhinolaryngologica Italica*. 2021; 41: 395-400
43. Sukumar K, Tadepalli A. Nexus between COVID-19 and periodontal disease. *J Int Med Res*. 2021; 49 (3): 5-6
44. Basso L, Chacun D, Sy K, Grosogeat B, Gritsch K. Periodontal disease and COVID-19: a scoping review. *Europ J Dent*. 2021: 5-7
45. Freni F, et al. Symptomatology in head and neck district in corona virus disease (COVID-19): A possible neuroinvasive action of SARS-CoV-2. *Am J Otoralyngol*. 2020; 41 (5)
46. Chen L, et al. Detection of SARS-CoV-2 in saliva and characterization of oral symptoms in COVID-19 patients. *Cell Proliferation*. 2020; 53 (12)
47. Fantozzia PJ, et al. Xerostomia, gustatory and olfactory dysfunctions in patients with COVID-19. *Am J Otolaryngol* . 2020; 41 (6)
48. Biadsee A, et al. Olfactory and oral manifestations of COVID-19: sex-related symptoms— a potential pathway to early diagnosis. *Otolaryngology–Head and Neck Surgery*. 2020; 163(4)

49. Vaira LA, et al. Gustatory dysfunction: a highly specific and smell-independent symptom of COVID-19. *Indian J Otolaryngol Head Neck Surg.* 2020
50. Sinjari B, et al. SARS-CoV-2 and oral manifestation: an observational, human study. *J Clin Med.* 2020; 9 (10)
51. Machado AS, et al. Covid-19: Signs and symptoms related to the feeding behavior. *Physiology & Behavior.* 2021; 242
52. AbuBakr N, et al. Oral manifestations in mild-to-moderate cases of COVID-19 viral infection in the adult population. *Dent Med Probl.* 2021; 58 (1)
53. Kady DME, et al. Oral manifestations of COVID-19 patients: an online survey of the Egyptian population. *Clin Exp Dent Res.* 2021; 7 (5)
54. Dorrego MV, Chacon L, Rosas R, Barrios V, Pernia Y, Velez H. Oral findings in patients with COVID-19. *Actas Dermo-Sifiliograficas.* 2022; 113
55. Gonzalez AN, et al. Are oral mucosal changes a sign of COVID-19? a cross-sectional study at a field hospital. *ACTAS dermo-Sifiliograficas* 112 (7)
56. Natto ZS, et al. Characteristics of oral manifestations in symptomatic non-hospitalized COVID-19 patients: a cross-sectional study on a sample of the saudi population. *Int J Gen Med.* 2021; 14
57. Havewala HA, et al. Oral Findings in Institutionalized COVID-19 Patients- A Preliminary Survei. *Scholars Journal of Dental Sciences.* 2021; 8 (5).
58. Fidan V, et al. Oral lesions in Covid 19 positive patients. *American J Otolaryngology–Head and Neck Med and Surg.* 2021; 42 (3).
59. Favia G, et al. Covid-19 symptomatic patients with oral lesions: clinical and histopathological study on 123 cases of the university hospital policlinic of bari with a purpose of a new classification. *Clin Med.* 2021; 10 (4).
60. Cauhe JJ, et al. Enanthem in patients with COVID-19 and skin rash. *JAMA Dermatol.* 2020; 156 (10).

# LAMPIRAN



**SURAT PENUGASAN**

No. 2136/UN4.13/TD.06/2021

Dari : Dekan Fakultas Kedokteran Gigi Universitas Hasanuddin

Kepada : **Prof. Dr. Asmawati, drg., M.Kes**

Isi : 1. Menugaskan kepada Saudara sebagai Dosen Pembimbing Skripsi mahasiswa pada Program Studi Pendidikan Kedokteran Gigi Fakultas Kedokteran Gigi Universitas Hasanuddin, yakni:

**Angkatan 2019:**

- Nabilah Atikah Putri (J011191026)
- Eshin Usami Nur Rahman (J011191019)

2. Bahwa Saudara yang namanya tersebut pada surat penugasan ini dipandang cakap dan memenuhi syarat untuk melaksanakan tugas tersebut.
3. Agar penugasan ini dilaksanakan dengan sebaik-baiknya dengan penuh rasa tanggung jawab.
4. Surat penugasan ini berlaku sejak tanggal ditetapkan, dengan ketentuan bahwa apabila dikemudian hari terdapat kekeliruan dalam surat penugasan ini, akan diadakan perbaikan sebagaimana mestinya

Makassar, 13 Juli 2021

Dekan,



**Muhammad Ruslin, drg., M.Kes., Ph.D., Sp.BM(K)**

NIP 197307022001121001

Tembusan Yth:

1. Wakil Dekan Bidang Akademik, Riset dan Inovasi FKG Unhas;
2. Kepala Bagian Tata Usaha FKG Unhas.





KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,  
RISET, DAN TEKNOLOGI  
UNIVERSITAS HASANUDDIN  
FAKULTAS KEDOKTERAN GIGI  
DEPARTEMEN ORAL BIOLOGI  
Jl. Perintis Kemerdekaan Km. 10, Makassar 90245  
Telepon (0411) 586012, 584641 Faximile. (0411) 584641  
Laman: dent.unhas.ac.id

Nomor : 4341/UN4.13.7/PT.01.06/2021

24 Desember 2021

Hal : Undangan Seminar Proposal Skripsi

Kepada Yth,

1. Prof. Dr. Asmawati, drg., M.Kes (Pembimbing)
2. Prof. Dr. Irene Edith Rieuwpassa, drg., M.Si (Penguji I)
3. Rafikah Hasyim, drg., M.Biomed (Penguji II)

**Fakultas Kedokteran Gigi Universitas Hasanuddin**  
Makassar

Dengan hormat, Bersama ini kami mengundang Bapak/Ibu untuk menghadiri Seminar Proposal Skripsi **secara daring by zoom** atas nama mahasiswa :

No	Nama	Nim	Judul
1.	Nabilah Atikah Putri	J011191026	Pengaruh Infeksi COVID-19 pada Rongga Mulut
2.	Eshin Usami Nur Rahman	J011191019	Peran Reseptor Dectin-1 dalam Mendeteksi Jamur Candida Albicans

Yang akan dilaksanakan pada :

Hari / Tanggal : Senin, 27 Desember 2021

Waktu : 16.00 WITA – selesai

Meeting ID : **915 988 5071**

Passcode : **OB2021**

Atas perhatian dan partisipasi Bapak/Ibu, kami ucapkan terima kasih.

Mengetahui,  
Ketua Departemen Oral Biologi

Prof. Dr. Irene Edith Rieuwpassa, drg., M.Si  
Nip. 19711012 199903 2 001

Tembusan :

1. Pembantu Dekan 1 FKG Unhas;
2. Arsip.





KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,  
RISET, DAN TEKNOLOGI  
UNIVERSITAS HASANUDDIN  
FAKULTAS KEDOKTERAN GIGI  
DEPARTEMEN ORAL BIOLOGI  
Jl. Perintis Kemerdekaan Km. 10, Makassar 90245  
Telepon (0411) 586012, 584641 Faximile. (0411) 584641  
Laman: dent.unhas.ac.id

Nomor : 1911/UN4.13.7/PT.01.06/2022  
Hal : Undangan Seminar Hasil Skripsi

24 Juni 2022

Kepada Yth,

1. Prof. Dr. Asmawati, drg., M.Kes (Pembimbing)
2. Prof. Dr. Irene Edith Rieuwpassa, drg., M.Si (Penguji I)
3. Rafikah Hasyim, drg., M.Biomed (Penguji II)

**Fakultas Kedokteran Gigi Universitas Hasanuddin**  
Makassar

Dengan hormat, Bersama ini kami mengundang Bapak/Ibu untuk menghadiri Seminar Hasil Skripsi **secara daring by zoom** atas nama mahasiswa :

No	Nama	Nim	Judul
1.	Nabilah Atikah Putri	J011191026	Pengaruh Infeksi COVID-19 pada Rongga Mulut
2.	Eshin Usami Nur Rahman	J011191019	Peran Reseptor Dectin-1 dalam Mendeteksi Jamur Candida Albicans

Yang akan dilaksanakan pada :

Hari / Tanggal : Sabtu, 25 Juni 2022  
Waktu : 09.00 WITA – selesai  
Meeting ID : **816 2427 8119**  
Passcode : **seminar**

Atas perhatian dan partisipasi Bapak/Ibu, kami ucapkan terima kasih.



Mengetahui,  
Ketua Departemen Oral Biologi

Prof. Dr. Irene Edith Rieuwpassa, drg., M.Si  
Nip. 19711012 199903 2 001

Tembusan :

1. Pembantu Dekan 1 FKG Unhas;
2. Arsip










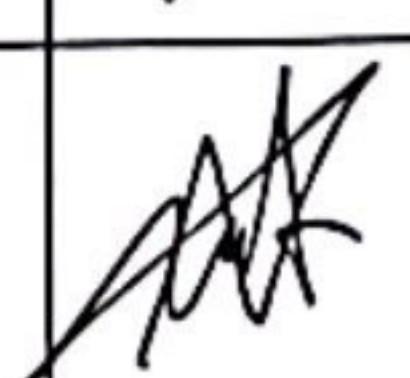








**KARTU KONTROL SKRIPSI**

Nama : Nabilah Atikah Putri  
NIM : J011191026  
Dosen Pembimbing : Prof. Dr. drg. Asmawati Amin, M.Kes  
Judul : Karakteristik Manifestasi COVID-19 pada Rongga Mulut

No.	Tanggal	Materi Konsultasi	Paraf		Hasil Konsultasi
			Pembimbing	Mahasiswa	
1.	16/07/2021	Penyerahan Surat Penugasan Skripsi			Perkenalan dan arahan membuat judul
2.	21/07/2022	Diskusi Topik Skripsi			Diskusi terkait rencana skripsi
3.	05/08/2021	Pengajuan Judul Skripsi			Diskusi judul dan perbanyak pencarian referensi
4.	21/09/2021	Konsultasi Judul Skripsi			Revisi dan Acc judul
5.	23/12/2021	Diskusi BAB 1, BAB 2, dan BAB 3 serta arahan pembuatan PPT seminar proposal			Diskusi dan arahan pembuatan power point
6.	26/12/2021	Presentasi PPT			Presentasi dan revisi
7.	27/12/2021	Seminar proposal via zoom Oral Biologi			Presentasi seminar proposal



8.	11/01/2022	Diskusi terkait sintesa jurnal			Diskusi dan arahan sintesa jurnal
9.	19/02/2022	Diskusi hasil sintesa jurnal			Diskusi dan arahan perbaikan
10.	20/06/2022	Diskusi hasil sintesa jurnal			Diskusi dan arahan perbaikan
11.	24/06/2022	Diskusi hasil skripsi dan PPT seminar hasil skripsi			Acc Power point dan Makalah Skripsi serta revisi judul
12.	25/06/2022	Seminar Hasil Skripsi via zoom Oral Biologi			Presentasi Hasil Skripsi
13.	06/09/2022	Pengesahan dan Tanda Tangan Skripsi			Arahan Jilid Skripsi

Makassar, 6 September 2022  
Pembimbing



Prof. Dr. drg. Asmawati Amin, M.Kes



## DOKUMENTASI

### Seminar Proposal

16:23 Mon 27 Dec

Leave Zoom 00:17

Unmute Start Video Share Content Participants More

### Tujuan Penulisan

1. Mengetahui mikroorganisme pada rongga mulut
2. Mengetahui pengertian nanomaterial serta jenis jenis yang digunakan pada bidang kedokteran gigi
3. Mengetahui peran nanomaterial pada permasalahan gigi dan mulut, seperti: sebagai bahan restorasi, sebagai bahan preventif, dental implants, sebagai perawatan endodontic, perawatan periodontal serta rekayasa jaringan

### Manfaat Penulisan

1. Manfaat terhadap masyarakat  
Menambah wawasan masyarakat tentang definisi dan kegunaan nanomaterial dan juga menambah pengetahuan mengenai mikroorganisme pada rongga mulut.
2. Manfaat terhadap institusi  
Mengembangkan penelitian-penelitian lebih lanjut yang berkaitan dengan topik dan permasalahan pada tulisan ini.
3. Manfaat terhadap profesi dokter gigi  
sebagai bahan pertimbangan untuk diteliti lebih lanjut, demi efektivitas nanomaterial dan penggunaan secara umum di bidang kedokteran gigi.

Muhammad Dilazulhaj Khasibhasani Ruslan  
Muh. Yusuf Aqyia's screen  
Nabilah Atikah Putri  
Eshin Usami  
Nurul Salsabila Febrynena

### Seminar Hasil

DEPARTEMEN ORAL BIOLOGI  
FAKULTAS KEDOKTERAN GIGI  
UNIVERSITAS HASANUDDIN  
2022

## Seminar Hasil Departemen Oral Biologi

Nama : 1. Nabilah Atikah Putri (J011191026)  
2. Eshin Usami Nur Rahman (J011191019)

Pembimbing : Prof. Dr. drg. Asmawati Amin, M.Kes

Hari/Tanggal : Sabtu, 25 Juni 2022

Penguji : 1. Prof. Dr. drg. Irene Edith Rieuwpassa, M.Si  
2. drg. Rafikah Hasyim, M.Biomed

Nabilah Atikah Putri  
Eshin Usami