LAMPIRAN

Lampiran 1. Pernyataan Persetujuan Publikasi

SURAT PERNYATAAN PERSETUJUAN PUBLIKASI TUGAS AKHIR UNTUK KEPENTINGAN AKADEMIS

Sebagai civitas akademika Univeristas Muhammadiyah Surabaya (UM Surabaya), saya yang bertanda tangan di bawah ini :

Nama	: Iffah Nabila
NIM	: 20201880076
Fakultas	: S1 Pendidikan Dokter
Program Studi	: Kedokteran

Demi pengembangan ilmu pengetahuan, menyetujui untuk memberikan kepada Program Studi Pendidikan Dokter Fakultas Kedokteran Universitas Muhammadiyah Surabaya Hak Bebas Royalti Non-Ekslusif atas tugas akhir saya yang berjudul: **"*LITERATURE REVIEW*: MIKROINJEKSI *DEOXYRIBONUCLEIC ACID* (DNA) SALMON SEBAGAI AGEN PEREMAJAAN KULIT WAJAH"**, beserta perangkat yang ada (jika diperlukan).

Dengan hak bebas royalti nonekslusif ini, Program Studi Pendidikan Dokter Universitas Muhammadiyah Surabaya berhak menyimpan, mengalih-media/formatkan, mengelola dalam bentuk pangkalan data *(database*), merawat, dan mempublikasikan tugas akhir saya selama tetap mencantumkan nama saya sebagai penulis dan pemilik Hak Cipta.

Demikian pernyataan ini saya buat dengan sebenarnya.

Surabaya, 26 Maret 2024
Yang membuat pernyataan,

IFFAH NABILA

Lampiran 2. Naskah Publikasi yang di-*submit*

Microinjection of Salmon DNA as a Facial Skin Rejuvenation Agent

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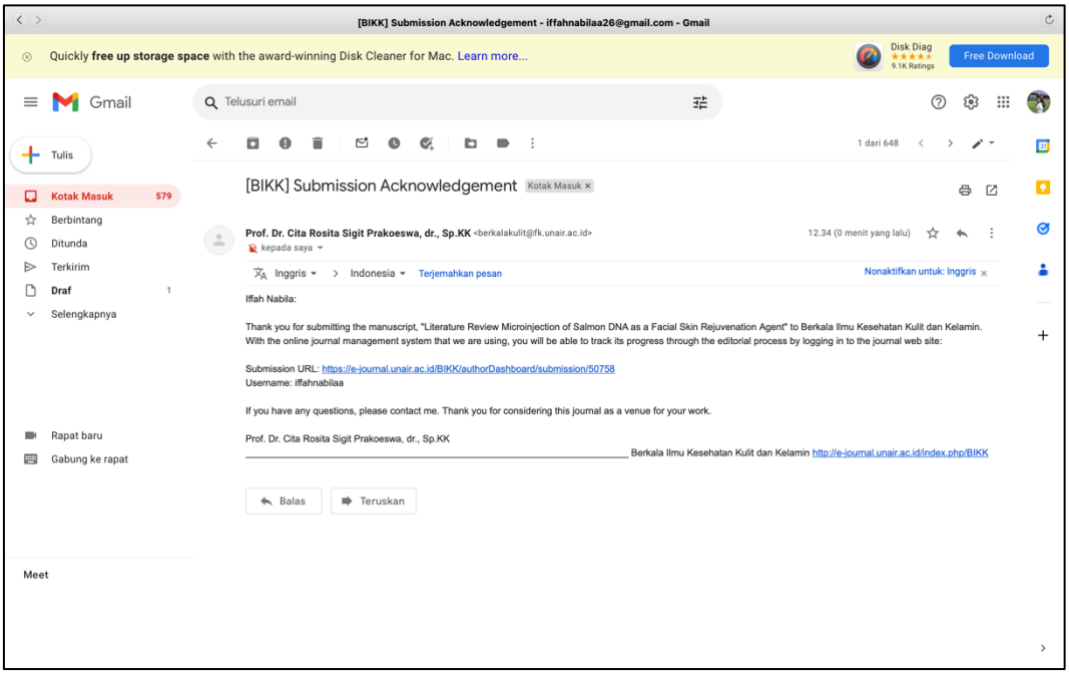
ABSTRACT

Background: *As age increases, some cells in the body experience a decrease in production, including collagen. Skin that loses collagen is prone to premature aging. Skin aging is a common physiological process that is complex and involves various biological and biochemical changes, as well as structural changes in the skin including muscles, fat tissue, and underlying bones.* ***Purpose:*** *The aim of the study was to determine the role, effectiveness, and mechanism of Salmon DNA as a facial skin rejuvenation agent.* ***Methods:*** *A systematic literature review was conducted by searching for original research articles and literature reviews using search engines such as Google Scholar, PubMed, Scopus, and Elsevier using keywords ((DNA Salmon) OR (Polydeoxyribonucleotide)) AND ((skin) OR (dermis)) AND ((rejuvenation) OR (anti-aging)).* ***Review:*** *The mechanism of PDRN as a skin rejuvenation agent involves stimulating collagen synthesis through the activation of the A2A receptor. Activation of the A2A receptor also mediates anti-inflammatory effects, demonstrated by increased production of IL-10 as an anti-inflammatory cytokine, as well as suppressing the production of nitric oxide and pro-inflammatory cytokines such as IL-12, TNF-α, COX-2, IL-7, and IL-1β. Skin repair is further supported by the angiogenic properties of PDRN, achieved through increased expression of VEGF as the main regulator of angiogenesis. This results in increased CD31, transglutaminase-II, and angioprotein, supporting angiogenic activity. Research findings indicate that Salmon DNA has been proven to be a skin rejuvenation therapy by stimulating collagen, anti-melanogenesis, anti-inflammatory, and angiogenic processes. These processes lead to increased skin elasticity and viscosity, reducing wrinkles, sagging, hyperpigmentation, and scar tissue on the skin.* ***Conclusion:*** *Salmon DNA has been proven effective for skin rejuvenation.*

Lampiran 3. Bukti *Submit* Jurnal



Lampiran 4. ***Letter of Acceptance*** **(LoA)**

BIKKK

Berkala Ilmu Kesehatan Kulit Dan Kelamin

Periodical of Dermatology and Venereology

Mailing Address : Departement of Dermatology and Venereology
Faculty of Medicine, Universitas Airlangga/Dr. Soetomo General Academic Hospital Surabaya
Jl. Mayjen Prof. Dr. Moestopo No. 6-8 Surabaya, 60286
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Number : 032/BIKKK/II/2024 Surabaya, February 07th.,2024

Dear author,
Iffah Nabila

We hereby inform you, manuscript that have been submitted:

ID : 50758
Submit Date : 20-10-2023
Title : " **Microinjection of Salmon DNA as a Facial Skin Rejuvenation Agent** "

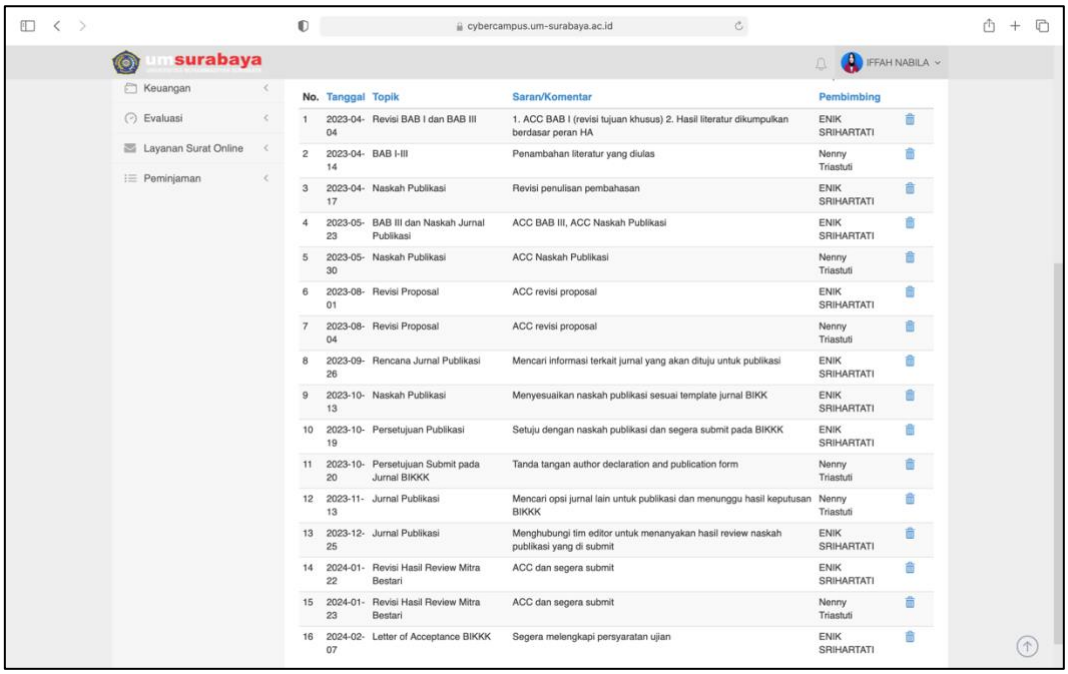
is already accepted, therefore the manuscript will be published in the next issue of Berkala Ilmu Kesehatan Kulit dan Kelamin after editing process.

Thus our notice, for your attention, thank you.

Chief editor

Prof. Dr. Cita Rosita Sigit Prakoeswa, dr., Sp.KK(K)

Lampiran 5. Kartu Kendali Bimbingan Karya Ilmiah



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IFFAH NABILA

- Keuangan
- Evaluasi
- Layanan Surat Online
- Peminjaman

No.	Tanggal	Topik	Saran/Komentar	Pembimbing
1	2023-04-04	Revisi BAB I dan BAB III	1. ACC BAB I (revisi tujuan khusus) 2. Hasil literatur dikumpulkan berdasar peran HA	ENIK SRIHARTATI
2	2023-04-14	BAB I-III	Penambahan literatur yang diulas	Nenny Triastuti
3	2023-04-17	Naskah Publikasi	Revisi penulisan pembahasan	ENIK SRIHARTATI
4	2023-05-23	BAB III dan Naskah Jurnal Publikasi	ACC BAB III, ACC Naskah Publikasi	ENIK SRIHARTATI
5	2023-05-30	Naskah Publikasi	ACC Naskah Publikasi	Nenny Triastuti
6	2023-08-01	Revisi Proposal	ACC revisi proposal	ENIK SRIHARTATI
7	2023-08-04	Revisi Proposal	ACC revisi proposal	Nenny Triastuti
8	2023-09-26	Rencana Jurnal Publikasi	Mencari informasi terkait jurnal yang akan dituju untuk publikasi	ENIK SRIHARTATI
9	2023-10-13	Naskah Publikasi	Menyesuaikan naskah publikasi sesuai template jurnal BIKK	ENIK SRIHARTATI
10	2023-10-19	Persetujuan Publikasi	Setuju dengan naskah publikasi dan segera submit pada BIKKK	ENIK SRIHARTATI
11	2023-10-20	Persetujuan Submit pada Jurnal BIKKK	Tanda tangan author declaration and publication form	Nenny Triastuti
12	2023-11-13	Jurnal Publikasi	Mencari opsi jurnal lain untuk publikasi dan menunggu hasil keputusan BIKKK	Nenny Triastuti
13	2023-12-25	Jurnal Publikasi	Menghubungi tim editor untuk menanyakan hasil review naskah publikasi yang di submit	ENIK SRIHARTATI
14	2024-01-22	Revisi Hasil Review Mitra Bestari	ACC dan segera submit	ENIK SRIHARTATI
15	2024-01-23	Revisi Hasil Review Mitra Bestari	ACC dan segera submit	Nenny Triastuti
16	2024-02-07	Letter of Acceptance BIKKK	Segera melengkapi persyaratan ujian	ENIK SRIHARTATI