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THE IMPORTANCE OF FERMENTED PLANT EXTRACT FOR ANTI AGING INCOSMETICS PRODUCT

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*Corresponding Author Chintia Yoseph Department of Magister Pharmacy, Unversity of Surabaya. Skin aging is a complex biological process that is influenced by a combination of endogenous or intrinsic factors (genetics, cellular metabolism, hormones, and metabolic processes) and exogenous or extrinsic (chronic light exposure, pollution, ionizing radiation, chemicals, and poisons).^[1-2]

Intrinsic skin aging is a process of chronological physiological changes. For intrinsically old skin, the most remarkable histological changes occur in the basal cell layer. The study found that as a person ages, there is a reduction in cell proliferation in the basal layer.^[3] In addition, evidence supports that intrinsically aged skin, not

only fibrousextracellular matrix components including elastin, fibrillin and collagen, but also oligosaccharides regress, which in turn affects the skin's ability to bind water to the skin'slayer.^[3,4]

Exposure to UV radiation rays is a major factor in extrinsic skin aging and provides about 80% of facial aging.^[4] It is known that ROS is an oxidant and through the oxidation process will decrease the enzyme protein-tyrosine phosphatase. The decrease in this enzyme will cause up-regulation of growth factor receptors and will ultimately activate AP-1 which is a nuclear transcription factor, through activation of the c-Jun and c-Fos transcription factors producing AP-1, and reduce the inhibition of RA receptors in AP -1. Further effects of UV include direct mutagenesis in DNA, regulation of kB-factor (NF-kB), and regulation of Transformig Growth Factor-beta (TGF- β). This effect results in a decrease in collagen production, and an increase in the production of inflammatory cytokines.^[5] In humans within a few hours of exposure to UV rays will form MMPs, especially gelatinase and collagenase which causes a decrease in the amount of collagen in the dermis layer.^[6,7]

To reduce skin wrinkles, topical treatment commonly used are retinoid acid (RA).^[8] Retinoid acid mechanism of action agains aging is by increase type I, II, and VII collagens,^[9] Reorganizes elastic fiber,^[10] decreases MMPs,^[11,12] and normalizez GAG deposition,^[13] but these ingredients have many drawbacks, which are expensive and unstable, thereby reducing its practicality. Therefore, safer and more effective treatment methods are developed to reduce skin wrinkles in the cosmetics industry. The use of herbal ingredients derived from plants is a productive basis for finding these bioactive compounds. In addition, the fermentation process has been shown to increase the therapeutic effect of some herbal medicines.^[14]

Fermentation can increase the physiological and biochemical activity of the substrate by facilitating molecules, so that fermented products may be more compatible with unfermented products.^[15] Successful fermentation often depends on strain selection. Selection of the right microorganisms for the fermentation process can not only metabolize herbs or herbal extracts but can also increased their physiological activity and decreased their cytotoxicity.^[16]

Extraction and Fermentation Process of fermented plant is plant powder selected as an ingredient for fermentation is extracted using a solvent (such as aquous solution or ethanol) and within a predetermined time, the extract is then filtered and concentrated using a rotary vacuum evaporator at a predetermined temperature. The bacteria to be used are cultured first in the appropriate culture media, then the extract of the plant is inoculated in a bacterial suspension, the mixture is then incubated under the appropriate conditions (time, temperature, aerob / anaerobic). Then the fermentation solution is centrifuged, the supernatant is collected and filtered and concentrated using a vacuum evaporator and was freeze-dried and stored at 20° C.

Therefore we have searched for products on the market that use fermented active in skin care products for aging treatment, and searched the literature on Scopus, PubMed, Google Scholar using the keywords "Fermented Plants", "Aging" and the name of the fermented plant in accordance with the inggredients contained in product. There is no restrictions based on the year in choosing the publication. Literature relating to the use of fermented plant extracts for cosmetic purposes chosen for preparation current script. This research provides an overview report the cosmeceutical importance of FPE briefly.

Table 1: Example of Fermented Plant for Aging Treatment Product.

Material	Microbes Involved	Fermented Active	Study Type	Result	Product in Market	Ref.
Panax ginseng	Saccharomyces cerevisiae	Fermented Black Gingseng (FBG)	In vitro (Human dermal fibroblast HS68)	FBG extracts significantly increased the expression of type I procollagen ir human fibroblasts.	h	(21)
			Clinical Study(23 subjects)	FBG cream significantly reduced theappearance of eye wrinkle compared to control and other cream	Sooryehan- Hyobidam fermentation skincare set (Toner,Emulsion, Essence, Cream, Eye	(22)
			In vitro (Human Fibroblast CCD- 986) and (mouse melaboma B16F1 cells)	FBG significantly improved Collagen synthesis in CCD-986sk, inhibited (73%) collagenase, and matrix metalloproteinase-1 (MMP-1) compared to control.	cream)	(22)
Green Honeybush (Cyclopia intermedia)	Streptococcus thermophilus	Fermented Honeybush (FH)	In vitro (HaCaT cells)	FH exhibit anti-oxidative and inflammatory effects that are mediatedby lowering ROS production, suppressing p38, ERK, MEK and JNK activation, and down- regulating expression of MMPs. These findings suggest that FH can be used as a skin anti-photoaging agent.	Elravie-Ferment Honeybush Innerset Ampoule	(23)
Asparagus cochinchinensis	Weissellacibaria	Fermented A. <i>cochinchine</i> <i>nsis</i> prod- ucts of W. <i>cibaria</i> (FPW)/BAW	In vitro (RAW264.7 cell)	BAW is a high anti-oxidative agent, and BAW pretreatment indicate that suppresses the enhancement of pro- inflammatory cytokine expressions that were induced by LPS treatment in RAW264.7 cells.	SWANICOCO- Fermentation Peptine Eye Care Cream GUBONCHO- Recovery Night Cream Anti Aging Moisturizer skin recovery cream	(24)
Triticum aestivum	Lactobacillus buchneri	Extract of Triticum aestivum Leaf fermented with Lactobacillu s buchneri (TAB)	In vitro (CCD- 986sk fibroblasts) andIn vitro (HaCaT Keratinocytes)	TAB and GMB have a potential role as anti-wrinkle in cosmetics agent, from theenhancement of type I procollagen synthesis and the inhibition of elastase activity and the expression of UVB- induced MMPs by alleviating the effect of ROS in a UVB-induced photoaging in vitro model.	3	(25)
<i>Glycine max</i> <i>Merr. with</i> inner color- greenish	Lactobacillus buchneri	Glycine max Merr. with inner color- greenish fermented with Lactobacillu s buchneri (GMB)			A'PIEU- Lactobacillus Moisturizing Ampoule Zymogen- Fermented Soybean Firming (Serum, Cream) The History of Whoo- CheonyuldanUltimate Regenerating CNP LABORATORY- Vita B Energy (Ampule, Cream) MISSHA-Time Revolution on Night Repair Probio	

					Ampoule The History of Whoo Seaol- Radiant Brightening Balancer INNISFREE- Firming	
Soybean (SB) (Glycine max)	Bacillussubtilis 168 (ATCC 33234, KCTC 2217)	Fermented Soybean Extract (FSB)	DPPH, superoxide radical, and hydroxyl radical scavenging activities, linoleic acid inhibition activity, and tyrosinase	The result is FSB had the better effects than the non-fermented soybean (SB) extract in DPPH scavenging activity, superoxide radical, hydroxyl radical, inhibition of autoxidation and inhibitory tyrosinase,		(26)
			inhibitionactivity		Energy Essence with Soybean Ferment	
	Natural	Soybeanextract	In vivo (single- blind placebo- controlled study)	The result showed that emulsion incorporating 4 % soybean extract exerts potential antiaging effects		(27)
Agastache rugosa (Fisch.& C.A.Mey.) Kuntze (Korean mint)	Lactobacillus rhamnosus HK- 9	Agastache rugosa extract ferment (ARE- F)	In Vitro (HaCaT keratinocytes cell line) (ATCC No. CRL-2309)	ARE-F significantly decrease activity on the UV-B-induced ROS generation than ARE, and ARE-F can decrease the UV- B-induced proMMP-9 and -2 more effectively, ARE-F displayed higher tendencies to augment the UV- B-reduced total GSH content and SOD activity than ARE.	-	(28)
blackberry (Rubus fruticosus B., FBB)	Lactobacillus plantarum JBMI F5 (LP)	Fermented Blackberry (FBB)	In vitro (human foreskin fibroblast) (Hs68) In vitro (SKH-1 hairless mice)	FBB pretreatment inhibited UVB- mediated type-1 procollagen degradation,matrix metalloproteinase (MMP)-1 andMMP-2 protein expression, and suppressed nuclear factor-κB (NF-κB) activation as well as mitogen-activatedprotein kinase (MAPK) phosphorylation in Hs68. In Concsion, FBB can be a potential candidate for protecting skin aging caused by UV irradiation.	-	(31)
Soy Milk	Bifidobacterium	Bifidobacter ium fermented (BE)	In vitro (human keratinocytes)(HuMedia-KG2) And (Human skin fibroblasts)	BE soy milk extract significantly enhanced the production of hyaluronic acid (HA) compared with non fermented soy milk of human keratinocytes, human fibroblast. BE can prevent the cutaneous HA loss by age.	<i>PRIMARY RAW DOYOU</i> - Soy Milk Ferment Essence Toner	(32)
Rice bran	Saccharomyces cerevisiae and Lactobacillus rhamnosus	Fermentedrice bran extracts (FRBEs)	In vitro (Human skin Fibroblast)	FRBE has significantly effect potential asan anti-aging agent by stimulating collagen synthesis, decreasing IL-1 □ levels, and decreasing MMP-1 expression in skin fibroblasts.	BOTANIC FARM- Rice Ferment First Essence Grain- Ferment Cleansing Water JUARA-Sweet Black Tea & Rice Moisturizer ACWELL- Betaglution Ultra MilkOil LANBENA- Face	(33)

					Mask Blueberry Serum Sheet Mask Moisturize Whitrning Anti-aging	
Angelica tenuissima	Aspergillus oryzae	Fermented by Aspergillus oryzae (FAT)	In vitro (HaCaT) (Human Keratinocyte) or Hs68 (Human foreskin Fibroblast) skin cells	FAT have a effect to stimulate wound healing rate at the basal condition, increase of procollagen Type-1 synthesis and secretion, decrease of MMP-1 and elastase expression. FAT can decrease of inflammatory responses caused by UVB irradiation via upregulation of photo- protective hemeoxygease-1 andsuppression of proinflammatory cyclooxygenase-2 expression. The result of the studied verification of the anti- photoaging potential of FAT, it could be utilized as an effective ingredient in anti- aging and anti-wrinkle cosmetics.	MED-LINE- 365 Mineral Sunscreen SAIMDANG- Saromae Whitening Lotion	(34)
Lavandula angustifolia	Pediococcus pentosaceus	FermentedL. <i>angustifolia</i> Extract	In vitro (Human skin fibroblasts)(HS68 cells)	L. angustifolia extract fermented by P. pentosaceus DK1 significantly increased the anti-aging activities while decreasing MMP-1 expression and ROS generation, and increased collagen production in UVB-irradiated human skin fibroblasts.		(35)
Panax ginseng	Lactobacillus brevis	FermentedRed Ginseng (FRG)	In Vitro and Animal Study	Concentrations of uronic acid, polyphenols, and flavonoids, and antioxidant activities were greater in FRG compared to RG (Red Gingseng) The result of this studied is FRG offers increased antiwrinkle efficacy, whiteningefficacy, and reduced toxicological potency compared to RG	KIRE SKIN- Serum Fermented Red Gingseng Root HOLLIDA- Fermentation Red Gingseng Lifting Cream SOORYEHAN HYOBIDAM- Fermented Red Gingseng Anti-aging Sleeping Pack	(38)

Black gingseng is made from fresh or white gingseng by repetitive steamed and followed by hot air-drying process (usally 9 times),^[17,18] The fermentaion of black ginseng with *Saccharomyces cerevisiae* can increase more active gisenosides.^[19,20] The results is show extracts significantly increased the expression of type I procollagen in human fibroblasts may be induced by the inhibition of MMP-1, MMP-2 and MMP-9 in a dose-dependent. The inhibition of these MMPs correlated with the upregulation of TIMP-2 due to FBG treatment.^[21] The other study was designed to investigate the mechanism of anti- wrinkle and skin-whitrning effect of FBG via in vitro assay (Human Fibroblast CCD-986) and (mouse melaboma B16F1 cells) and a human clinical trial of fermentation black gingseng in 23 subjects, were evaluated on day 0, at 4 weeks (28 days), and at 8 weeks (56 days). The result, current FBG cream (w/o) formulation exhibited anti-wrinkle and skin- whitening effects in

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the clinical study, with no adverse effects. The anti-wrinkle effect of FBG was believed to involve the induction of type I collagen synthesis and inhibition of MMP-1 activity. The skin-whitening effect because FBG reduced melanogenesis, tyrosinase inhibition, and diminished DOPA oxidation.^[22]

The aqueous extract of *Cyclopia intermedia*, milk powder and sucrose was fermented with Streptococcus thermophilus, the result of this study show that with ELISA analysis FH treatment reduced MMP-1 and -9 protein levels in the culture media of HaCaT cells in a dosedependent manner. Pretreatment with FH inhibited the decrease in TIMP-1 mRNA levels caused by UVB. These findings suggest that FH exhibit anti-oxidative and inflammatory effects that are mediated by lowering ROS production, suppressing p38, ERK, MEK and JNK activation, and down-regulating expression of MMPs.^[23]

The butanol extract of Asparagus cochinchinensis with Weissella cibaria, These study results indicate that BAW may have a high anti-oxidative capacity (the IC50 value for BAW was $31.62 \mu g/ml$) that is obtained via suppression of intracellular ROS production and DPPH radical scavenging activity. BAW pretreatment can recover the signaling pathway for iNOS-mediated COX-2 induction during the inflammatory process.^[24]

Extracts of five plants fermented with L. buchneri such as *Triticum aestivum Leaf (TAB)*, *Avena sativa L (ASB)., Helianthus tuberosus L(HTB)., Glycine max Merr. with inner color-greenish(GMB), and Smallanthus sonchifolius*(SSB), lactic acid bacterial fermented extracts were produced. The fermentation process using 50% ethanol, and then the extract were concentrated with decompression concentrator, freeze-dried, and the lactic acid bacteria fermented extract powder was extracted. The result of comparing the efficacies of the five plant extract showed that TAB, HTB, and GMB had an inhibitory effect on the elastase activity in comparison to positive controls, and all of them significantly decreased the expression of type 1 procollagen upon UVB irradiation. MMPs are the major factor for UVB-induced photoaging and all the five fermented plant extract can prevent UVB-induced skin damage by inhibiting the mRNA expression and production of collagenase, and expecially TAB and GMB they can reduced MMP-1 and MMP-9 mRNA levels, activating antioxidant enzymes, and suggested the possibility of an ROS scavenging ability, so revealing them as promising photo-protective agents.^[25]

The Antioxidative and whitening activities of FSB and SB were evaluated by the

determination of DPPH, superoxide radical and hydroxyl radical scavenging activities, linoleic acid inhibition activity, and tyrosinase inhibition activity. The result FSB showed the higher antioxidative effect, and whitening activity than SB. These result demonstrated that the fermentation have a more excellent role than non fermentation effect in antioxidant and whitening.^[26] In vivo single-blind placebo-controlled study in 11 healthy male were evaluated by applied to the cheeks for 12 weeks with 4% of concentrated extract of soybean was formulation in W/O emulsion compared with a control (without soybean extract) analys their effect on different skin parameters (moisture contents, elastysity and surface evaluation of living skin/SELS) were assessed, the result of the study showed that soybean extract have a potential effect for anti aging.^[27]

Previous studies reported the ethanol extract of A. rugosa leaves improved by the fermentation with L. rhamnosus and L. paracasei has an antimelanogenic activity through the suppression of tyrosinase.^[29] A hot water extract of A. rugosa leaves have skin antiphotoaging property against UV-B induced photooxidative stress in human keratinocytes via up-regulating GSH and SOD (30). In conclusion, the present studies demonstrates that the fermentation of A. rugosa leafmextract with a probiotic Lactobacillus strain improves its antiphotoaging skin properties through further augmenting UV-B-reduced total GSH and SOD activity levels and increasingly attenuating UV-B-induced ROS and MMP-2 and -9 levels in some sequential order.^[28]

Fermented blackberry/FBB with Lactobacillus plantarum UVB-induced photoaging inhuman foreskin fibroblast (Hs68) and SKH-1 hairless mice. FBB pretreatment inhibited UVB-mediated type-1 procollagen degradation, suppressed nuclear factor-B (NF-B) activation as well as mitogen-activated protein kinase (MAPK) phosphorylation in Hs68 and matrix metalloproteinase (MMP)-1 and MMP-2 protein expression. In this studied prove that FBB decrease the wrinkle formation in dorsal skin and epidermal thickening in UVB- irradiated hairless mice. Moreover, UVB-induced Type-1 procollagen reduction and antioxidant enzyme inactivation with FBB treatment. These results of this studied suggest that FBB may have antiphotoaging effects on UVB-induced wrinkle formation by maintaining the extracellular matrix density in the dermis, which occurs via regulation of ROS and related MAPK and NF-B signaling. The conclusion is FBB can be a potential candidate for protecting skin aging against UV irradiation.^[31]

Bifidobacterium fermented soy milk/ BE significantly increase the production of HA in

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monolayer cultures of THKC, and human skin fibroblasts in organotypic cultures of NHKC and in hairless mouse skin following topical application for 2 weeks compared with non fermented soy milk. It is suggested that BE has the potential effect to increase the production of HA in the epidermis and dermis of human skin, and fermentation is necessary for the enhancing the activity.^[32]

FRBE treatment could be used to increase collagen expression in human skin fibroblast, by synthesis of pro-collagen while inhibiting the synthesis of MMP-1 in cultured dermal fibroblast, reduce UV-induced inflammation by decreasing IL-1a, a known inducer of MMP-1 production.^[33]

Angelica tenuissima root extract fermented with *Aspergillus oryzae* (FAT) able to increase wound filling under basal conditions in keratinocytes forming the epidermal layer. FAT was able the suppression of UVB mediated wrinkle formation, decreased MMP-1 and elastase activities. Additionally FAT showed have effect as photoaging of skin trought increased PIP levels and decreased MMP-1 and elastase activitie, and regulation of the antioxidative enzyme HO-1 and COX-2 as the anti-inflammatory enzyme for health due to UV exposure.^[34]

Lavandula angustifolia fermented with *Pediococcus pentosaceus* in the studied were evaluated UVB induced ROS generation, collagen and MMP-1 expression compared treated fermented and unfermented *Lavandula angustifolia*. The result showed with fermentation increase safety and activity (Antioxidative and anti aging activities) by increased the level of luteolin and apigenin by aglyconation of their glucosides. In Conclution fermented *Lavandula angustifolia* could have applicability as an anti-aging agent in cosmetics products.^[35]

Panax Gingseng fermented with *Lactobacillus brevis* (FRG), is produced by aqueous extract of red gingseng (RG). In this studies, we investigated the skin safety and potential ascosmeceutical ingredients in vitro and in guinea pig skin by spreading of FRG in cojunction with RG. The results showed that fermentation significantly enhanced the overall radicalscavenging activities of ginseng, which could be explained by the increased amount of antioxidant compounds, especially polyphenol compounds. The IC50 of FRG also higher compared with RG, and in a primary skin irritation test showed FRG were classified as a nonirritating materials. The result of this studies showed fermentation of RG increased of

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ginsenoside metabolites, such as Rg3, Rg5, Rk1, compound K, Rh1, F2, Rg2, and flavonoids content. Therefore, FRG offers increased antiwrinkle efficacy, whitening efficacy, and reduced toxicological potency compared with RG.^[38]

Some fermented plants that are used in cosmetic products for the treatment of aging such as *Hordeum vulgare* ferment, *Leuconostoc*/radish root ferment filtrate, Potato extract ferment, and *Lactobacillus*/acerola Cherry Ferment, there are still no literature or research journals related to these fermented plants for aging treatment.

Innovation of Fermented Active For Anti-AgingTreatment

The demand for skin care products with herbal ingredients increased because consumers perceive these agents as natural, healthy, nontoxic and full of beneficial effects. The development of innovative natural products to deal with the signs of skin aging, caused by various external and internal factors. One of the external factors that influence skin agingis sun exposure (UV radiation), which causes skin photoaging. Free radicals that are formedas a result of UV radiation cause the degradation of unsaturated lipids from intercellular semen, an increase in TEWL that causes dry skin, and changes in the structure of protein- collagen and elastin fibrillar. Aging occurs in every layer of the skin, primarily due to the degradation of alls components.

The challenge of nature-derived product as an active ingredient for anti aging are lower penetration and high compound instability of various cosmetic products for sustained and enhanced compound delivery to the beauty-based skin therapy, because of its overly hydrophilic or lipophilic nature and also in terms of stability, because natural materials are susceptible to oxidation which causes changes the nature and color of the product.

To overcome these disadvantages, solid-state fermentation and nano-structured lipid (NLC) carrier delivery technologies are use. Solid-state fermentation is defined as process used to produce some metabolites generated by microorganisms grown on a solid such as (Soybean, Rice bran, Blackbery, etc.), process consists of depositing a solid culture substrate in a temperature-controlled room with low water level. Fermented Active is used to increase absorption into the skin, and improve their desirable pharmacological activities of non-fermented plant.^[36] NLC offers several advantages over conventional passive delivery, such as increased surface area, higher solubility, improved stability, controlled release, reduced skin irritancy, and protection from degradation.^[37] NLC is a blend of mixture of solid lipids

along with spatially incompatible liquid lipids. The compositions of NLS is solid lipid, liquid lipids, aqueous surfactant, and co-emulsifiers.^[39] NLC could provide better skin hydration and occlusion compared to tradisional delievery systems, because the ingredients lipids content has an occlusive action to prevent water loss from the skin through evaporation.^[40] Therefore we choose to use NLC as a active delivery system suitable for anti aging serum.

The new innovation we propose is the NLC formulation of a mixture of several fermented plants and peptides for the treatment of skin aging serum, with product claims: energize, repair and restore the skin elasticity resulting in firm, smooth, and youthful skin. The formula is paraben free, mineral oil free, alcohol free, and benzophenone free. The Fermentation Process of plant material does not use alcohol.

The Innovation of our new formulation, "fermented of (soybean, rice bran, and panax gingseng) with *Lactobacillus buchneri* and peptides (Pentapeptide-18, and Palmitoyl Hexapeptide-12) in nanostructured lipid carriers (NLC). The formulation parameters affecting the stability of active ingredients after incorporation into NLC were evaluated including types of lipids, and types of surfactant. The evaluation of the formulation included organoleptics, (particle size, morphology, entrapment efficiency, dinamic light scattering, differential scanning calorimetry, and transmission electron microscopy) for characterization of lipid nanoparticles,^[41] and in vitro study (in human fibroblast), and (HaCaT Keratinocytes) to proved the efficacy of formulation for anti aging treatment.

CONCLUSIONS

The cosmetics world is always changing following the trends and efforts to improve the quality of products to get customers. The trend of using cosmetics made from plants encourages the desire of cosmetic companies and researchers to find out about plant ingredients that can be used in cosmetic products. various studies have shown that the fermentation process can increase phytochemical content, effective absorption and increase the safety of active ingredients. Thus, fermented natural extracts, especially animal extracts, are largely studied. Even though several scientific reports on the importance of cosmetic fermented plant extracts are available there are still many fermented plants that have been used on the market with anti-aging claims for which there is no research literature, and the lack of reported clinical studies and human footprints do not adequately support their benefits and effectiveness. Further detailed studies on the molecular mechanisms of the cosmeceutical properties of fermented plant extracts are needed. Fermented active from plants can be a

possible hope for preventing signs of aging and for the sustainable development of cosmetic products with consumer and environmental protection.

REFERENCES

- Blasco MA, Partridge L, Serrano M, Kroemer G, Lo C. *Review the hallmarks of aging*. Cell., 2013; 153(6):1194–1217.
- 2. Ganceviciene R, Liakou AI, Theodoridis A, Makrantonaki E, Zouboulis CC. *Skin anti-aging strategies*. DermatonEndocrinology, 2012; 4(3): 308–319.
- Zhang S, Duan E. Fighting against skin aging: the way from bench to bedside. CellTransplantation, 2018; 27(5): 729–738.
- Mesa-arango AC, Flórez-muñoz SV, Sanclemente, G. *Mechanisms of skin aging*. Iatreia., 2017; 30(2): 160–170.
- 5. Puspitasari, D. E., Amin, M., & Lukiati, B. Analisis Protein Target Senyawa AlamiAnti Aging flavan-3-ol dari Theobroma cacao L., 2016.
- Fisher GJ., Voorhees JJ., Kang S, Quan, T., He, T. Solar UV Irradiation Reduces Collagen in Photoaged Human Skin by Blocking Transforming Growth Factor-β TypeII Receptor/SmadSignaling. American Journal of Pathology, 2008; 165 (3): 741 -758.
- Rhein LD. and Santiago, J.M. Matrix Metallo Proteinase, Fibrosis, and Regulationby Transforming Growth Factor Beta: *A new Frontier in Wrinkle Repair*. In : Rhein, L.D., Fluhr J.M., editors. Aging Skin: Current and Future Therapeutic Strategis 1st ed.USA: Allu Red Bussiness Media., 2010; 26- 81.
- Shin JW, Kwon SH, Choi JY, et al. Molecular Mechanisms of Dermal Aging and Antiaging Approaches. *Int J Mol Sci.*, 2019; 20(9): 2126. Published 2019 Apr 29. doi:10.3390/ijms20092126
- Woodley, D.T.; Zelickson, A.S.; Briggaman, R.A.; Hamilton, T.A.; Weiss, J.S.; Ellis, C.N.; Voorhees, J.J. *Treatment of photoaged skin with topical tretinoin increases epidermal-dermalanchoring fibrils*. A preliminary report. JAMA, **1990**; 263: 3057–3059.
- Berardesca, E.; Gabba, P.; Farinelli, N.; Borroni, G.; Rabbiosi, G. In vivo tretinoin induced changes in skin mechanical properties. Br. J. Dermatol., 1990; 122: 525–529. [CrossRef]
- 11. Kang, S. *The mechanism of action of topical retinoids*. Cutis., **2005**; 75: 10–13; discussion 13.
- 12. Kim, H.J.; Bogdan, N.J.; D'Agostaro, L.J.; Gold, L.I.; Bryce, G.F. Effect of topical retinoic acids on the levels of collagen mrna during the repair of uvb-induced dermal

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damage in the hairless mouse and the possible role of tgf-beta as a mediator. J. Investig. Dermatol., **1992**; 98: 359–363. [CrossRef]

- Hubbard, B.A.; Unger, J.G.; Rohrich, R.J. *Reversal of skin aging with topical retinoids*. Plast. Reconstr. Surg., 2014; 133: 481e–490e. [CrossRef] [PubMed]
- 14. Lee JJ, Kwon H, Lee JH, Kim DG, Jung SH, Ma JY: Fermented soshiho-tang with Lactobacillus plantarum enhances the antiproliferative activity in vascular smooth muscle cell. BMC Complement Altern Med., 2014; 14: 78-10.1186/1472-6882-14-78.
- Wang, G. H., Chen, C. Y., Tsai, T. H., Chen, C. K., Cheng, C. Y., Huang, Y. H., Hsieh, M. C., and Chung, Y. C.: *Evaluation of tyrosinase inhibitory and anti oxidant activities of Angelica dahurica root extracts for four different probiotic bacteria fermentations*, J. Biosci. Bioeng., 2017; 123: 679e, 684.
- 16. Kim, M., Kim, W. B., Koo, K. Y., Kim, B. R., Kim, D., Lee, S., Son, H. J., Hwang, D. Y., Kim, D. S., Lee, C. Y., and Lee, H.: *Optimal fermentation conditions of hyaluronidase inhibition activity on Asparagus cochinchinensis Merrill by Weissella cibaria*, J. Microbiol. Biotechnol., 2017; 27: 701e,708.
- 17. Jin Y., Kim Y.-J., Jeon J.-N., Wang C., Min J.-W., Noh H.-Y., Yang D.-C. Effect of white, red and black ginseng on physicochemical properties and ginsenosides. Plant. Foods Hum. Nutr., 2015; 70: 141–145. doi: 10.1007/s11130-015-0470-0. [PubMed][CrossRef] [Google Scholar]
- Nam K.-Y., Lee N.-R., Moon B.-D., Song G.-Y., Shin H.-S., Choi J.-E. Changes of ginsenosides and color from black ginsengs prepared by steaming-drying cycles. Korean J. Med. Crop. Sci., 2012; 20: 27–35. doi: 10.7783/KJMCS.2012.20.1.027. [CrossRef] [Google Scholar]
- 19. Bak MJ, Jeong WS and Kim KB: *Detoxifying effect of fermented black ginseng on H2O2induced oxidative stress in HepG2 cells.* Int J Mol Med., 2014; 34: 1516-1522.
- 20. Kang KS, Yamabe N, Kim HY, Okamoto T, Sei Y and Yokozawa T: Increase *in the free radical scavenging activities of American ginseng by heat processing and its safety evaluation*. J Ethnopharmacol., 2007; 113: 225-232.
- 21. Pham, Q. L., H.-J. JANG, and K.-B. Kim. Anti-wrinkle effect of fermented black ginseng on human fibroblasts. Int. J. Mol. Med., 2017; 39: 681–86
- 22. Park, J.L., An, J., Lee, D.L., Kim, H.Y., Ha, J., Cho, C.H., Seo, D.w., and Kim, K.B. *Effects of anti-wrinkle and skin-whitening*, 2020. *Fermented black ginseng on human subjects and underlying mechanism of action*. Journal of Toxicology and Environmental Health, Part A, 83: 11-12, 470-484, DOI:

<u>www.wjpr.net</u>

10.1080/15287394.2020.1777492

- 23. A.-R. Im, S. H. Yeon, J. S. Lee, K. A. Um, Y.-J. Ahn, and S. Chae, "Protective effect of fermented Cyclopia intermedia against UVB-induced damage in HaCaT human keratinocytes," BMC Complementary and Alternative Medicine, 2016; 16(1): 261.View at: Publisher Site | Google Scholar
- 24. Lee, H.A.; Song, B.R.; Kim, H.R.; Kim, J.E.; Yun, W.B.; Park, J.J.; Lee, M.L.; Choi, J.Y.; Lee, H.S.; Hwang, D.Y. Butanol extracts of Asparagus cochinchinensis fermented with Weissella cibaria inhibit iNOS-mediated COX-2 induction pathway and inflammatory cytokines in LPS-stimulated RAW264.7 macrophage cells. Exp. Ther. Med., 2017; 14: 4986–4994. [Google Scholar] [CrossRef] [PubMed]
- 25. Kang, Y.-M.; Hong, C.-H.; Kang, S.-H.; Seo, D.-S.; Kim, S.-O.; Lee, H.-Y.; Sim, H.-J.; An, H.-J. Anti-Photoaging Effect of Plant Extract Fermented with Lactobacillus buchneri on CCD-986sk Fibroblasts and HaCaT Keratinocytes. J. Funct. Biomater., **2020**; 11: 3.
- 26. Ga, Y. C. and Bae, J. H. *Comparative Evaluation of Fermented and Non- fermented Soybean Extract on Antioxidation and Whitening* Toxicol Res., 2011; 27(4): 205–209.
- M. K. Waqas, N. Akhtar, A. Rasul et al., "In vivo evaluation of a cosmetic emulsion containing soybean extract for anti-aging," Tropical Journal of Pharmaceutical Research, 2014; 13(9): 1401–1406.
- 28. Shin, D.; Lee, Y.; Huang, Y.-H.; Lim, H.-W.; Jang, K.; Kim, D.-D.; Lim, C.-J. Probiotic fermentation augments the skin anti-photoaging properties of Agastache rugosa through up- regulating antioxidant components in UV-B-irradiated HaCaT keratinocytes. BMC Complement. Altern. Med., 2018; 18: 196. [Google Scholar] [CrossRef] [PubMed]
- 29. Kim NY, Kwon HS, Lee HY. *Effect of inhibition on tyrosinase and melanogenesis of Agastache rugosa Kuntze by lactic acid bacteria fermentation*. J Cosmet Dermatol., 2017; 16(3): 407–15.
- 30. Oh Y, Lim HW, Huang YH, Kwon HS, Jin CD, Kim K, et al. Attenuating properties of Agastache rugosa leaf extract against ultraviolet-B-induced photoaging via up-regulating glutathione and superoxide dismutase in a human keratinocyte cell line. J Photochem Photobiol B., 2016; 163: 170–6.
- 31. Kim HR, Jeong DH, Kim S, Lee SW, Sin HS, Yu KY, et al. Fermentation of blackberry with L. plantarum JBMI F5 enhance the protection effect on UVBmediated photoaging inhuman foreskin fibroblast and hairless mice through regulation of MAPK/NF-kappaB signaling. Nutrients., 2019; 11(10): 2429.
- 32. Miyazaki K, Hanamizu T, Iizuka R, Chiba K. Bifidobacteriumfermented soy milk extract

stimulates hyaluronic acid production in human skin cells and hairless mouse skin. Skin Pharmacol Appl Skin Physiol., 2003; 16:108–116.

- Seo Y.K., Jung S.H., Song K.Y., Park J.K., Park C.S. Anti-photoaging effect of fermented rice bran extract on UV-induced normal skin fibroblasts. Eur. Food Res. Technol., 2010; 231: 163–169. doi: 10.1007/s00217-010-1261-3. [CrossRef] [Google Scholar]
- 34. Park YA, Lee SR, Lee JW, et al. Suppressive Effect of Fermented Angelicatenuissima Root Extract against Photoaging: Possible Involvement of Hemeoxygenase-1. J Microbiol Biotechnol., 2018; 28(8): 1391-1400. doi:10.4014/jmb.1805.05065
- 35. Ha JH, Kim AR, Lee KS, et al. Anti-Aging Activity of Lavandula angustifolia Extract Fermented with Pediococcus pentosaceus DK1 Isolated from Diospyros kaki Fruit in UVB- Irradiated Human Skin Fibroblasts and Analysis of Principal Components. J Microbiol Biotechnol., 2019; 29(1): 21-29. doi:10.4014/jmb.1809.09037
- 36. Park MJ, Bae YS. Fermented Acanthopanax koreanum root extract reduces UVB- and H2O-induced senescence in human skin fibroblast cells. J Microbiol Biotechnol., 2016; 26(7): 1224–33.
- 37. Vinardell, M.P.; Mitjans, M. Nanocarriers for Delivery of Antioxidants on the Skin. Cosmetics, 2015; 2: 342-354.
- 38. Lee HS, Kim MR, Park Y, et al. Fermenting red ginseng enhances its safety and efficacy as a novel skin care anti-aging ingredient: in vitro and animal study. J Med Food., 2012; 15(11): 1015-1023. doi:10.1089/jmf.2012.2187
- Natarajan J, Karri V, Anindita D, Nanostructured Lipid Carrier (NLC): A Promising Drug Delivery System, Global Journal of Nanomedicine, 2017; 1(5): 001-006. DOI: 10.19080/GJN.2017.01.555575.
- 40. Loo, Ch & Basri, Mahiran & Ismail, Rosnah & Lau, Hln & Tejo, Bimo & Hassan, Ha & Choo, Ym & Palm, Malaysian & Board, Oil & Bangi, Bandar & M S, Kanthimathi. (2013). Effect of compositions in nanostructured lipid carriers (NLC) on skin hydration and occlusion. International Journal of Nanomedicine. 8. 13-22. 10.2147/IJN.S35648.
- 41. Dzulhi S, Anwar E, Nurhayati T. Formulation, Characterization and in vitro Skin Penetration of Green tea (Camellia sinensis L.) Leaves Extract-Loaded Solid Lipid Nanoparticles. J App Pharm Sci., 2018; 8(08): 057-062.



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