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ICHPT heInternationalonProfession Volume Conference Paper  
AcceptanceNutritionalof SubstitutedTunaMeal (Thunnus Fatmawati,andAisa  
DepartmentMidwifery,PolytechnicIndonesia Abstract  
Tpresentaimedininvestigateacceptandvalue  
ofsubstitutedtunameal(thunnusbacares).his  
waspreexperimentDatwerelectedtheofdatnamely  
acceptofusingassessmenttheability color,aste,andTnutritionalofisoutthe  
nutritionTdatwerebyWaltests.he resultthatnutritionalofalboneper  
gramsacontent19.cabbage14fat2%, 2341%,449%,ash2%.herenoinacceptof  
color,andastecookieswithalat of1andTisdifferencetheabilitytheof  
cookieswithtunaalatof 1and(=Tpreferredacceptisaof5%.

Keywords: substitutestunaboneacceptnutritional 1. Introduction  
Tgrowththeinwombonethateterminesall-being.  
Anofall-beingimportduringygethehealthy withoutfor?standofPregnanciesstuntedal  
growthintrauterinerestrictionIUGR)haofeffects,  
namelyl(stilbirth)(9.7%),alperinatcerebraland  
Lowweight()alsomaproblemtheandatof  
stunting.heofinworldestimated1whereoccurs  
mainlydevelopingDatfrom2013showstheage ofinSulawesi10%.

Pregnant need amino mineral support Calcium in women early pregnancy and until  
 How cite article: Fatmawati, and Ais (2019), *ance Nutritional of Substituted Tuna  
 Fish M (hunnus bacores) in The International on Profession, Life pages* DOI/.v4i1.5738  
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 birth. he amount in during 1200 mg/day total calcium in digestive and requirements the and full? I can hypoklasemia causes cramps in fet bone is perfect that ability bone in women fet development hampered. [

3 ] One that amino mineral in tuna bone Tuna one of that found Southeast which amino protein calcium. Tuna very within Sulawesi, this increase of? sh waste effort to overcome processing waste is use tuna bones 4, 5 ] he of and in is 39 Tuna does not does not calcium inhibitors it absorbed by body minimal, and available effects. [ 6 ] Tuna can processed that be by women inform? our. a dihang? sh (thunnus bacores) as a source that high and. he content tuna meal calcium (13 phosphorus sodium 36%), (0.03%). [ 7 ] he of study indicate tuna bone can blood Giving? sh is expected meet mineral of women that is for and formation. [

8, 9 ] The research study the of? sh inform? our, the of research to the ability nutritional value cookies with 2. This was pre-experiment Data collection primary, the- to fusing assessment the ability color, taroma texture. he value cookies carried in nutrition laboratory. this the of was taken many 20 from Department Nutrition, of Health, . power col through tests form to the level panelist the inputted computerized hea were by Wal tests. DOI/.v4i1.5738 Page ICHP 3. Table 1: Nutritional of BoneLOUR.

S Type Testing % % sh % % % % Tuna meal 449 51,2 2341 6,2 14 19,3  
 Tuna bone which be as food for bone Table 2 Accept of Color Cookies with Fish F Criteria  
 Substituted BoneLOUR X[ 2 ] p-value 10% 1 20% n % n % n % Very Uninteresting 0 0  
 0 0 0 0 2 0,2 Uninteresting 0 0 0 0 0 0 Neutral 7 35 3 1,0 3 1,0 Interesting 7 35 7 35  
 9 45 Very 6 30,0 10 50,0 8 40,0 Tot 20 100 20 100 20 100

Inable,canseenoof20coloranceit veryinsubstitutedtunaboneof5%many10  
panelists50.0%).heofcruci?xionlisobtp0.2T  
showstherenoacceptofcolorcookiesdifferent concentrations. Table 3  
AcceptOfhelCookiesWithBonelour.

Criteria SubstitutedBonelour X[ 2 ] p-value 10% 1 20% n % n % n % Veryfragrant 0  
0 0 0 0 0 0, 0, Not 0 0 0 0 0 0 Neutral 6 30,0 5 25 6 30,0 Fragrant 8 40,0 6 30,0 8  
40,0 Very 6 30,0 9 45 6 30,0 Tot 20 100 20 100 20 100

Inable,canseenoof20thearomaance wasfragrantcookieswith?sh?our1asas  
panelists.0%).heofCrusWaltestainedp= DOI/.v4i1.5738 Page ICHP  
Tshowstherenoacceptofaromacookies different Table 4:  
AcceptofTasteCookieswithBonelour.

Criteria SubstitutedBonelour X[ 2 ] p-value 10% 1 20% n % n % n % Very 0 0 0 0 0  
0 0, 0,716 Bad 0 0 0 0 0 0 Neutral 8 40,0 6 30,0 7 35 Delicious 7 35 7 35 8 40,0 Very  
5 25 7 35 5 25 Tot 20 100 20 100 20 100

Inable,canseenoof20thepanelistshighestance neutralcookieswith?shmeal10%much8  
(40.0%)goodaste20%bypanelistsTresultsthe  
waltestained=Tindicatetherenoaccept oftoofwithconcentrations. Table 5  
ReceiptTextureSubstitutedTunaBonelour.

Criteria SubstitutedBonelour X[ 2 ] p-value 10% 1 20% n % n % n % Verycrispy 2  
10,0 0 0 0 0 7,2 0,023 not 2 10,0 0 0 0 0 Neutral 7 35 3 1,0 4 20,0 crispy 4 20,0 7 35  
8 40,0 Verycrispy 5 25 10 50,0 8 40,0 Tot 20 100 20 100 20 100

Inable,canseenoof20thetextureance wascrunchycookieswith?sh?our1asas  
panelists50.0%).heofCrusWaltestainedvaluep0.023  
Tshowstheredifferencetheabilitytheofwith different  
Basedthevalueainedt6theproductsare knownoveralcookiesbebypanelists.(1has  
highestof.

Tconclusionont7thatcanusedonetheingredients thatbeforgrowthhuman.  
DOI/.v4i1.5738 Page ICHP Table 6: LevelFavoriteBasedAIAttributes. Kriteria Cookies  
10% 1 20% Warna 3 4 425 Aroma 4 420 4 Ras 385 4 3 Tekstur 340 4 420 Tot 1,  
16,95 16,35 Rata 380 420 4 Table 7: NutritionalofSubstituted1TunaF S  
TypeTesting % %sh % % % % Tunameal 7, 448 9,71 2 76,12 1, 4.

CookiesoneofthatoftenchoicemostSmalfoods  
consumedalagerangingchildren,adultspeople areProcessedthatfoundtheuntilhave  
variationsfromandaste.asorfoodsfoods thatlytea,ordrinksthe.wasin  
morning1000afternoon4:p.m.500sometimesat nightgoingbed.one,is1-2cont

1-200. isled food it served two meals, breakfast lunch dinner. he of study ated that 100 of substituted tuna bone calcium was carbohydrate 76.12%, was 16%, was Conclusion the results cookies be as off food that be for growth human.

Tuna meal as source has calcium phosphorus To a mineral, calcium in special in bones, a complex phosphorus apatite tetrachylum form causes ?sh?ou easily by body ranges 6070 % the content Midnight?n?our Talis. 19% 0.81% - rus, 36% 0.03% 7 ] his in with that calcium in tuna bones 39 Tuna bone not in absorption so it easily by body little, and side 6 ] DOI/.v4i1.5738 Page ICHP World organization the amount calcium day for around -, if of it recommended consume -800, children adolescents higher a ke for /women is to 1200 Calcium should exceed mg day avoid conditions levels urine 300/ Calcium in y nearly pregnant and until birth to of in the tract with calcium from mother fetus.

If isful? little lead hypocalcemia is bones so that can abdominal that abortion, fet bone which in ability, loss pregnant and infant. [ 3 ] References [1] Kemenkes (2012) Pedoman Program 1000 Pertama Kehidupan. Jakarta Kemenkes [2] Gardosi, Giddings, Clifford, Wood, A (2013) Association Reduced Rates England Regional Accredited Training in Fet Growth Assessment BMJ [ Almsier, (2014) Prinsip Ilmu .a: PustUt [4] Riewpass F.S. Pemanfaat Limbah Perikanan . Ilmu Pengetahuan Teknologi.

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[9] Wijayanti, Bahiyatun 5) Pengaruh Ekstrak Tulang Tuna Suplemen Kadar Darah Hamil Pasien Jurnal 2016 . DOI/.v4i1.5738

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