

ANALISIS PROTEIN ISOLAT BAKTERI Escherichia coli BL 21 MENGGUNAKAN Sodium Dodecyl Sulphate “ Polyacrylamide Gel Elektrophoresis (SDS-PAGE)

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Author Order	1 of 2
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Abstract	Protein is a structural and functional component found in living organisms. This study aims to determine the quantity of protein obtained and the type of protein that was successfully extracted from the culture of Escherichia coli BL 21 (DE3). The research method uses exploratory descriptive, measurement of protein concentration by spectrophotometer and analysis of protein molecular weight by SDS-PAGE electrophoresis. The results of the study it was found that the total protein isolated from E. coli BL21 (DE3) bacterial culture had a concentration of 7.67 $\mu\text{g} / \mu\text{l}$, the control concentration was higher than the sample which was 9.33 $\mu\text{g} / \mu\text{l}$. The conclusions of the study it was found that the concentration of total protein isolated from E. coli BL21 (DE3) bacterial culture had a of 7.67 $\mu\text{g} / \mu\text{l}$, but the molecular weight and type of protein in total protein were still unknown.
Publisher Name	Biology Education Department, Faculty of Teacher Training and Education, University of Nahdlatul Wathan Mataram - Indonesia
Publish Date	2019-09-30
Publish Year	2019
Doi	
Citation	
Source	PENBIOS: JURNAL PENDIDIKAN BIOLOGI DAN SAINS
Source Issue	Vol 4 No 01 (2019): PENBIOS: Jurnal Pendidikan Biologi dan Sains, Vol. 4, No. 1, Mei 2019 pISSN 2541
Source Page	1-7
Url	http://ejournal.unwmataram.ac.id/bios/article/view/160/107
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