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Effects of different dietary energy and protein levels at fxed slaughter weight on performance and

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Fo t eigh A ab i fattening am lamb s ith simila initial eigh t (18.72±0.604 Kg) an age (90±5 a s) f om a ock of A ab i sheep of Yamin Ag icultu al an atu al esou ces nive sit e e an oml allocate to six ieta t eatments in a 2×3 facto ial expe iment using completel an omize esign. e t eatments inclu e lo (L 2.4Mcal/KgDMMB), me ium (M 2.6Mcal/KgDMMB) an high (H 2.8Mcal/KgDMMB) levels of ieta ene g in comb ination ith lo (L 16% cp) an high (H 18% cp) levels of ieta p otein. eb o eight (BW), ave age ail gain (ADG), ave age ail fee (ADF) an fee conve sion atio (FCR) of lamb s e e measu e t o eeks inte val until the en of expe iment. a cass components e e eco e at the en of t ial. e ADG of lamb s in H, MM an L t eatments e e espectivel 271, 244 an 206 g/ an i e encesb et een them e e signi cant (p 0.05). e same t en as foun fo fee e cienc . e ADG as also signi cantl g eate (p 0.05) fo lamb s fe iets containing 18% p otein than fo lamb s fe iets containing 16% p otein (254 vs. 216 g/). e FCR also ha the same t en (4/47 vs. 5/37). e i e ences fo othe t aits fo ieta containing i e ent ene g an otein levels e e not signi cant. e inte actions b et een p otein an ene g t eatment levels e e not signi cant fo none of t aits. In gene al, ith inc easing level of ene g the pe fo mance of lamb s pa ticula l fo ADG an FCR as imp ove fo eithe of p otein levels. e lo est ADG (150 g/) an o st FCR (6/36) asb elong to the t eatment containing the lo est ene g an p otein levels an i e encesb et een them an othe t eatments e e signi cant (p 0.05).

Najafgholi Dabiri has completed his PhD from Massey University, New Zealand in 1994 and had a sabbatical leave in Cornell University in 2000. He has published more than 50 papers in Persian and English journals and has been serving as an Editorial Board Member of Journal of Agriculture. He had several administration activities in Chamran and Ramin Agricultural and Natural Resources Universities and is currently a Professor of Animal Science in Islamic Azad University, Karaj Branch.

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