DAFTAR PUSTAKA

Bahr, J. M. dan S. S. Palmer. 1989. The influence of aging on ovarian function. Crit. Rev. Poult. Biol. 2(2):103-110.

Bana, J. J., A. Barlian and A. Ridwan. 2021. Prolactin hormone profile, patterns and expression level of prolactin, Pit-1, VIP and PREB gene in Kampung Chicken (*Gallus gallus domesticus*) induced by anti-prolactin. Int. J. Poult. Sci. 20(6):249-255.

Banu, M. N., M. B. Rashid, M. M. Hasan, F. B. Aziz, M. R. Islam, and M. A. Haque. 2016. Effect of anti-prolactin drug and peppermint on broodiness, laying performance and egg quality in indigenous hens. Asian J. Med. Biol. Res. 2(4):547-554.

Barman, D., S. Sarkar, M. M. M. Parvez, M. M. Hasan, F. B. Aziz, R. Islam, S. Ahmed, M. H. Haque, and M. B. Rashid. 2022. Anti-prolactin agent with gonadotropin-releasing hormone synergistically improve egg production in indigenous chicken via regulating broody behavior. Eur. J. Agric. Food Sci. 4(1):92-97.

Brannan, T., J. Martinez-Tica, A. Di Rocco, and M. D. Yahr. 1993. Low and high dose bromocriptine have different effects on striatal dopamine release: an in vivo study. J. Neural Transm. 6(2):81-87.

Cahyono, B. 2011. Ayam Buras Pedaging. Jakarta : Penebar Swadaya.

Chaiyachet, O.-A., D. Chokchaloemwong, N. Prakobsaeng, N. Sartsoongnoen, S. Kosonsiriluk, I. Rozenboim, M. E. El Halawani, T. E. Porter, and Y. Chaiseha. 2013. Neuroendocrine regulation of rearing behavior in the native Thai hen. Acta Histochem. 115(3):209-218.

Chapman, D. P., Bacon W. L., Long D. W., Kurima K., and Burke W. H. Photo stimulation changes the pattern of luteinizing hormone secretion in turkey hens. Gen. Comp. Endocrinol. 96(1):63-74.

David, C. G., I. J. Reddy, and K. Singh. 2003. Oviposition patterns associated with prolactin concentration in domestic chicken (*Gallus domesticus*). Asian-Australas. J. Anim. Sci. 16(11):1565-1571.

Du, Y., L. Liu, Y. He, T. Dou, J. Jia and C. Ge. 2020. Endocrine and genetic factors affecting egg laying performance in chickens: a review. Br. Poult. Sci. 61(5):538-549.

Farid, M., E. Widodo, dan M. H. Natsir. 2019. Identifikasi pengaruh maksimal level bekatul terhadap penampilan produksi ayam petelur. J. Nutr. Ternak Trop. 2(2):59-64.

Freeman, M.E., B. Kanyicska, A. Lerant and G. Nagy, 2000. Prolactin: Structure, function and regulation of secretion. Physiol. Rev. 80(4):1523-1631.

Has H., M. Rusdin, Y. Yaddi, R. Badarudin, dan A. Napirah. 2022. Aplikasi teknologi mesin tetas otomatis pada peternak ayam kampung Desa Opaasi Kecamatan Ranomeeto Barat Kabupaten Konawe Selatan. Indones. J. Community Serv. 1(1):22-25.

Hiyama, G., N. Kansaku, M. Kinoshita, T. Sasanami, A. Nakamura, K. Noda, A. Tsukada, K. Shimada, and D. Zadworny. 2009. Changes in post-translational modifications of prolactin during development and reproductive cycles in the chicken. Gen. Comp. Endocrinol. 161(2):238-245.

Jiang, R. S., X. Y. Chen, and Z. Y. Geng. 2010. Broodiness, egg production, and correlations between broody traits in an indigenous chicken breed. Poult. Sci. 89(6):1094-1096.

Joyner, C. J., M. J. Peddie, and T. G. Taylor. 1987. The effect of age on egg production in the domestic hen. Gen. Comp. Endocrinol. 65(3):331-336.

Kang, S. W., O. M. Youngren and M. E. E. Halawani. 2002. Influence of VIP on prolactinemia in Turkey anterior pituitary cells:Role of cAMP second messenger in VIP-induced prolactin gene expression. Regul. Pept. 109(1-3):39-44.

Lieberman, A. N. dan M. Goldstein. Bromocriptine in Parkinson disease. Pharmacol. Rev. 37(2):217-227.

Loeb, C., G. Roccatagliata, C. Albano, and G. Besio. 1979. Bromocriptine and dopaminergic function in Hungtington disease. Neurology. 29(5):730-704.

Lokapirnasari WP, Soewarno, Dhamayanti Y. 2011. Potensi crude spirulina terhadap protein efisiensi rasio pada ayam petelur. J. Ilm. Kedokt. Hewan. 2(1):5-8.

Miao, Z. H., P. C. Glatz, and Y. J. Ru. 2005. Free-Range poultry production-a review. J. Anim. Sci. 18(1):113–132.

Miralda, V., M. Zarlis, dan E. Irawan. 2020. Penerapan metode k-means clustering untuk daging ayam buras. Build. Inform. Technol. Sci. 2(2):91-98.

Molik, E., dan M. Blasiak. 2015. The role of melatonin and bromocriptine in the regulation of prolactin secretion in animals-a review. Ann. Anim. Sci. 15(4):849-860.

Mulyatini, N. G. A. 2011. Produksi Ternak Unggas. Bogor : IPB Press.

Oda, T., T. Kume, Y. Izumi, Y. T. Takatori, T. Niidom, and A. Akaike. 2008. Bromocriptine, a dopamine D_2 receptor agonist with the structure of the amino acid ergot alkaloids, induces neurite outgrowth in PC12 cells. Eur. J. Pharmacol. 27–31.

Ozian, N., F. Agustina, dan H. Moelyo. 2019. Sistem Pemeliharaan dan Kontribusi Usaha Ternak Ayam Lokal (Gallus domesticus) Terhadap Pendapatan

Rumah Tangga Peternak Di Kelurahan Sinar Jaya Jelutung Kecamatan Sungailliat. J. Integr. Agribus. 1(2):107-114.

Parvez, M. M., R. Islam, B. Rashid, M. Hasan, H. Mobarak, K. K. Roy and M. A. Haque. 2017. Effect of serum from laying hen and antiprolactin drug on egg production of indigenous chicken in Bangladesh. Asian-Australas. J. Biosci. Biotechnol. 2(1):51-54.

Rasyaf, M. 2011. Berternak Ayam Kampung. Jakarta : Penebar Swadaya.

Reddy I. J., C. G. David, P. V. Sarma, and K. Singh. 2001. Prolactin hormone and inter sequence pause days in domestic chicken. Vet. Rec. 149(9):590-592.

Reddy I. J, C. G. David and K. Singh. 2005. Relationship between intersequence pauses, laying persistency and concentration of prolactin during the productive period in white leghorn hens. Asian-Australas. J. Anim. Sci. 18(5):686-691.

Reddy, I. J., C. G. David and S. S. Raju. 2006. Chemical control of prolactin secretion and it's effects on pause days, egg production and steroid hormone concentration in girirani birds. Int. J. Poult. Sci. 5(7):685-692.

Reddy, I. J., C. G. David, and S. S. Raju. 2007. Effect of suppression of plasma prolactin on luteinizing hormone concentration, intersequence pause days and egg production in domestic hen. Domest. Anim. Endocrinol. 33(2):167–175.

Reddy, O. R. P. K. 2021. Effects of laying kadhaknath hen serum and anti-prolactin medication [bromocriptine] on egg yield of indigenous chicken in india. Int. Res. J. Mod. Eng. Technol. Sci. 3(9):831-834.

Sartika, T. 2005. Sifat mengeram pada ayam ditinjau dari aspek molekuler. WARTAZOA. 15(4):92-97.

Setianto, J. 2009. Ayam Burgo : Ayam Buras Bengkulu. Bogor : IPB Press.

Sharp, P. J., C. G. Scanes, J. B. Williams, S. Harvey and A. Chadwick. 1979. Variations in concentrations of prolactin, luteinizing hormone, growth hormone and progesterone in the plasma of broody bantams (*Gallus domesticus*). J. Endocrinol. 80(1):51-57.

Suyadi dan S. Wahjuningsih. 2021. Fisiologi Reproduksi dan Inseminasi Buatan pada Unggas. Malang : UB Press.

Thiruvenkadan, A. K., S. Panneerselvam, and R. Prabakaran. 2010. Layer breeding strategies : an overview. Worlds Poult. Sci. J. 66(3):477-502.

Wahjunigsih, S.S. 2021. Fisiologi Reproduksi dan Inseminasi Buatan pada Unggas. Malang : UB Press.

Wicaksono, D., T. Kurtini, dan K. Nova. 2013. Perbandingan fertilitas serta susut, daya dan bobot tetas ayam kampung pada penetasan kombinasi. Jurnal Ilmiah Peternakan Terpadu. 1(2).

Xu, H.P., X. Shen, M. Zhou, C. L. Luo, L. Kang, Y. Liang, H. Zeng, Q. H. Nie, D. X. Zhang, X. Q. Zhang. 2010. The dopamine D_2 receptor gene polymorphisms associated with chicken broodiness. Poult. Sci. 89(3):428–438.

Zadworny, D., J. S. Walton, and R. J. Etches. 1985. Effect of feed and water deprivation or force feeding on plasma prolactin concentration in turkey hens. Biol. Reprod. 32(2):241-247.

LAMPIRAN

Lampiran 1. Hasil Analisis Data *Intersequence Pause Days* Ayam Buras pada Dosis Pemberian *Bromocriptine* yang Berbeda

Descriptives

Pause Days

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	95% Confidence Interval for Mean Upper Bound	Minimum	Maximum
T0	10	29.4690	28.03689	8.86604	9.4126	49.5254	1.00	56.00
T1	10	30.1060	26.98480	8.53334	10.8022	49.4098	1.00	56.00
T2	10	4.7500	8.12863	2.57050	-1.0649	10.5649	1.00	27.50
T3	10	13.5100	22.50164	7.11564	-2.5867	29.6067	1.08	56.00
Total	40	19.4588	24.51208	3.87570	11.6194	27.2981	1.00	56.00

Tests of Between-Subjects Effects

Dependent Variable: Pause Days

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	4653.040[a]	3	1551.013	2.973	.044
Intercept	15145.718	1	15145.718	29.034	.000
Perlakuan	4653.040	3	1551.013	2.973	.044
Error	18779.807	36	521.661		
Total	38578.565	40			
Corrected Total	23432.847	39			

a. R Squared = .199 (Adjusted R Squared = .132)

Pause Days

Duncan[a]

Perlakuan	N	Subset for alpha = 0.05	
		1	2
T2	10	4.7500	
T3	10	13.5100	13.5100
T0	10		29.4690
T1	10		30.1060
Sig.		.397	.133

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

Lampiran 2. Hasil Analisis Data Sekuensi Bertelur Ayam Buras pada Dosis Pemberian *Bromocriptine* yang Berbeda

Descriptives

Sekuensi Bertelur

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	95% Confidence Interval for Mean Upper Bound	Minimum	Maximum
T0	10	1.8250	2.31926	.73342	.1659	3.4841	.00	6.13
T1	10	1.1340	1.06551	.33694	.3718	1.8962	.00	2.80
T2	10	2.5810	1.32697	.41963	1.6317	3.5303	1.00	5.11
T3	10	1.9680	1.39198	.44018	.9722	2.9638	.00	4.40
Total	40	1.8770	1.62118	.25633	1.3585	2.3955	.00	6.13

Tests of Between-Subjects Effects

Dependent Variable: Sekuensi Bertelur

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	10.587[a]	3	3.529	1.382	.264
Intercept	140.925	1	140.925	55.196	.000
Perlakuan	10.587	3	3.529	1.382	.264
Error	91.915	36	2.553		
Total	243.426	40			
Corrected Total	102.501	39			

a. R Squared = .103 (Adjusted R Squared = .029)

Lampiran 3. Hasil Analisis Data *Hen Day Production* (HDP) Ayam Buras pada Dosis Pemberian *Bromocriptine* yang Berbeda

Descriptives

Hen Day Production

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	95% Confidence Interval for Mean Upper Bound	Minimum	Maximum
T0	10	29.8210	36.02045	11.39067	4.0535	55.5885	.00	87.50
T1	10	18.9290	25.68798	8.12325	.5529	37.3051	.00	75.00
T2	10	51.6080	27.80923	8.79405	31.7145	71.5015	1.79	82.14
T3	10	40.7150	28.86557	9.12809	20.0658	61.3642	.00	78.57
Total	40	35.2683	31.21811	4.93602	25.2842	45.2523	.00	87.50

Tests of Between-Subjects Effects

Dependent Variable: Hen Day Production

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	5932.981[a]	3	1977.660	2.220	.103
Intercept	49753.978	1	49753.978	55.842	.000
Perlakuan	5932.981	3	1977.660	2.220	.103
Error	32075.275	36	890.980		
Total	87762.235	40			
Corrected Total	38008.257	39			

a. R Squared = .156 (Adjusted R Squared = .086)

Lampiran 4. Hasil Analisis Data *Egg Mass* Ayam Buras pada Dosis Pemberian *Bromocriptine* yang Berbeda

Descriptives

Egg Mass

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	95% Confidence Interval for Mean Upper Bound	Minimum	Maximum
T0	10	14.6760	17.30176	5.47130	2.2991	27.0529	.00	43.91
T1	10	9.5730	12.98003	4.10465	.2876	18.8584	.00	37.88
T2	10	24.5010	12.23731	3.86978	15.7470	33.2550	.84	37.71
T3	10	20.1840	14.61742	4.62243	9.7273	30.6407	.00	38.63
Total	40	17.2335	14.97753	2.36816	12.4435	22.0235	.00	43.91

Tests of Between-Subjects Effects

Dependent Variable: Egg Mass

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1267.461[a]	3	422.487	2.033	.127
Intercept	11879.741	1	11879.741	57.165	.000
Perlakuan	1267.461	3	422.487	2.033	.127
Error	7481.275	36	207.813		
Total	20628.476	40			
Corrected Total	8748.735	39			

a. R Squared = .145 (Adjusted R Squared = .074)

Lampiran 5. Hasil Analisis Data *Feed Conversion Ratio* (FCR) Ayam Buras pada Dosis Pemberian *Bromocriptine* yang Berbeda

Descriptives

Egg Mass

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	95% Confidence Interval for Mean Upper Bound	Minimum	Maximum
T0	10	14.6760	17.30176	5.47130	2.2991	27.0529	.00	43.91
T1	10	9.5730	12.98003	4.10465	.2876	18.8584	.00	37.88
T2	10	24.5010	12.23731	3.86978	15.7470	33.2550	.84	37.71
T3	10	20.1840	14.61742	4.62243	9.7273	30.6407	.00	38.63
Total	40	17.2335	14.97753	2.36816	12.4435	22.0235	.00	43.91

Tests of Between-Subjects Effects

Dependent Variable: Feed Convertion Ratio

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	49.051[a]	3	16.350	1.515	.237
Intercept	709.184	1	709.184	65.699	.000
Perlakuan	49.051	3	16.350	1.515	.237
Error	248.271	23	10.794		
Total	1012.400	27			
Corrected Total	297.322	26			

a. R Squared = .165 (Adjusted R Squared = .056)

Lampiran 6. Dokumentasi Penelitian

RIWAYAT HIDUP

Anggraini (I011 18 1353) lahir di Pinrang pada tanggal 11 Februari 2000. Penulis adalah anak pertama dari empat bersaudara yang berasal dari pasangan Bapak Marsuki dan Ibu St. Nasmawati. Jenjang pendidikan formal yang pernah ditempuh penulis yaitu di SDN 24 Pinrang dan lulus pada tahun 2012, SMPN 1 Pinrang dan lulus pada tahun 2015, SMAN 1 Pinrang dan lulus pada tahun 2018, selanjutnya pada tahun yang sama penulis diterima di Fakultas Peternakan Universitas Hasanuddin melalui jalur SBMPTN. Bidang minat yang dipilih oleh penulis adalah produksi ternak yang akhirnya terfokus ke produksi ternak unggas, hal inilah menjadi awal dari penulisan skripsi penulis yang berjudul "Pengaruh Pemberian *Bromocriptine* sebagai Anti Prolaktin terhadap Performa Produksi Ayam Buras pada Akhir Masa Peneluran".