

DAFTAR PUSTAKA

- Aberle, E.D., Forrest, J.C., Gerrard, D.E., Mills, E.W., Hedrick, H.B., Judge, M.D., and Merkel, R.A. 2001. *Principles of Meat Science*. Fourth edition, Kendall/Hunt Pub.Co., Iowa, USA.
- Agricultural Research Council, 1980. *The Nutrient Requirements of Ruminant Livestock*. Commonwealth Agricultural Bureaux, Farnham Royal.
- Allen, R.E., Luiten, L.S., and Dodson, M.V. 1985. Effect of insulin and linoleic acid on satellite cell differentiation. *J.Anim.Sci.*, 60 : 1571-1579.
- Bass, J.J., Sharma, M., Oldham, J., and Kambadur, R. 2000. Muscle growth and genetic regulation, In : *Ruminant Physiology : Digestion, Metabolism, Growth and Reproduction*, ed. by Cronje, P.B., CABI Pub., New York, USA. Pp.: 227-236.
- Bell, A.W. 1993. Pregnancy and fetal metabolism, In : Quantitative Aspects of Ruminant Digestion and Metabolism, ed. by Forbes, J.M., and France, J. CAB International, Wallingford, pp.: 405 – 431.
- Bell, A.W. 1995. Regulation of organic nutrient metabolism during transition from late pregnancy and lactation. *J.Anim.Sci.*, 73 : 2804 – 2819.
- Bell, A.W., and Ehrhardt, R.A. 2000. Regulation of macronutrient partitioning between maternal and conceptus tissues in the pregnant ruminant, In : *Ruminant Physiology, Digestion, Metabolism, Growth and Reproduction*, ed. by Cronje, P.B., CAB International Publishing, New York, USA.
- Bell, A.W., Kennaugh, J.M., Battaglia, F.C., Makowski, E.L., and Meschia, G. 1986. Metabolic and circulatory studies of fetal lamb at midgestation. *Am.J.Physiol.*, 250 : E538 – E544.
- Boccard, R. 1981. Facts and reflections on muscular hypertrophy in cattle : double muscling or curled, In : *Development in Meat Science*, ed. by Ralson, L., Applied Sci.Publisher. Pp.: 1-28.
- Brameld, J.M., Gilmour, R.S., and Buttery, P.J. 1999. Glucose and amino acids interact with hormones to control expression of insulin-like growth factor-I (IGF-I) and growth hormone receptor (GHR) mRNA in cultured pig hepatocytes. *J.Nutr.*, 129 : 1298-1306.
- Brunetti, A., and Goldfine, I.D. 1990. Role of myogenin in myoblast differentiation and its regulation by fibroblast growth factor. *J.Biol.Chem.*, 265 : 5960-5963.
- Buckingham, M. 1994. Which myogenic factors make muscle ?. *Current.Biol.*, 4(1): 61-63.

- Capdevila,J., Tobin, C., and Johnson, R.L. 1998. Control of dorsoventral somite patterning by Wnt-I and β -catenin. *Develop.Biol.*, 193 : 182-194.
- Cossu, G., Tajsbakhsh, S., and Buckingham, M. 1996. How in myogenesis initiated in the embryo. *Trends in Genetics*, 12 : 218-223.
- Desai, M., and Hales, C.N. 1997. Role of fetal and infant growth in programming metabolism in later life. *Biol.Rev.*, 72 : 329-348.
- Dwyer, C.M., and Stickland, N.C. 1991. Sources of variation in myofibre number within and between litters of pigs. *Anim.Prod.*, 52 : 527-533.
- Dwyer, C.M., and Stickland, N.C. 1994. Supplementation of a restricted maternal diet with protein or carbohydrate alone prevent a reduction in fetal muscle fible number in the guinea-pig. *Brith.J.Nutr.*, 72 : 173-180.
- Dwyer, C.M., Fletcher, J.M., and Stickland, N.C. 1993. Muscle cellularity and postnatal growth in pig. *J.Anim.Sci.*, 71 : 3339-3343.
- Dwyer, C.M., Madgwick, A.J.A., Ward, S.S., and Stickland, N.C. 1995. Effect of maternal undernutrition in early gestation on the development of fetal myofibres in the guinea-pig. *Rep.Fert.Dev.*, 7 : 1285-1292.
- Dwyer, C.M., Stickland, N.C., and Fletcher, J.M. 1994. The influence of maternal nutrition on muscle fible number development in the porcine fetus and on subsequent postnatal growth. *J.Anim.Sci.*, 72: 911-917.
- Edmondson, D.G., and Olson, E.N. 1993. Helix-Loop-Helix proteins as regulators of muscle-transcription. *J.Biol.Chem.*, 268 : 755-758.
- Florini J.R., and Magri, K.A. 1989. Effects of growth factors on myogenic differentiation. *Am.J.Physiol.*, 256 : C701-C711.
- Florini J.R., Ewton, D.Z., and Coolican, S.A. 1996. Growth hormone and insulin-like growth factor system in myogenesis. *Endoc.Rev.*, 17 : 481-517.
- Forbes, J.M. 1986. The effects of sex hormones, pregnancy, and lactation on digestion, metabolism, and voluntary food intake, In : *Control of Digestion and Metabolism in Ruminants*, ed. by Milligan, L.P., Grovum, W.L., and Dobson, A. Prentice Hall, Englewood Cliff, New Jersey. Pp.: 420-435
- Gerrard, D.E., and Grant, A.L. 1994. Insulin-like growth factor-II expression in developing skeletal muscle of double muscled and normal cattle. *Domestic Anim.Endocrinol.*, 11 : 339-347.
- Gerrard, D.E., and Judge, M.D. 1993. Induction of myoblast proliferation in L6 myoblast cultures by fetal serum of double muscled and normal cattle. *J.Anim.Sci.*, 71 : 1464-1470.
- Gluckman, P.D., and Brinsmead, M.W. 1976. Somatomedin in cord blood : relationship to gestational age and birth size. *J.Clin.Endocrinol.Metab.*, 43 : 1378-1381.

- Grobet, L., Royo-Margin, L.J., Poncelat, D., Pirottini, D., Brouwers, B., Riquet, J., Schoeberlain, A., Punner, S., Minissier, F., Massabunda, J., Fries, R., Hanset, R., and George, M. 1997. A deletion in the myostatin gene causes double muscling in cattle. *Nature Genetics*, 17 : 71-73.
- Hafez, E.S.E. 1969. Prenatal growth, In : Animal Growth and Nutrition, ed. by Hafez, E.S.E., and Dyer, L.A., Lea & Febiger, Philadelphia. Pp.: 21-39.
- Hafez, E.S.E., and Hafez, B. 2000. Fertilization and cleavage, In : *Reproduction in Farm Animals*, ed. by Hafez, E.S.E., and Hafez, B., 7th ed., Lippincott Williams & Wilkins, Sydney. Pp.: 110-125.
- Handel, S.E., and Stickland, N.C. 1987. Muscle cellularity and birth weight. *Anim.Prod.*, 44 : 311-317.
- Hansard, S.L., and Berry, R.K. 1969. Fetal Nutrition, In : *Reproduction in Farm Animals*, ed. by Hafez, E.S.E., and Hafez, B., 7th ed., Lippincott Williams & Wilkins, Sydney. Pp.: 40-59.
- Hanset, R., and Michaux, G. 1985. On the genetic determination of muscular hypertrophy in the Belgian White and Blue cattle breed. I. Experimental Data. *Genetique, Selection, Evolution*. 17 : 354.
- Harper, J.M.M., and Butterly, P.J. 1992. Muscle cell growth, In : *The Control of Fat and Lean Deposition*, ed. by Boorman, K.N., Butterly, P.J., and Lindsay, D.B., Butterworths, London. Pp.: 27-58.
- Hauschka, S. 1994. The embryonic origin of muscle, In : In : *Myology*, ed. by Engel, A.G., and Franzini-Armstrong, C. Chapman & Hall, New York. Pp.: 3-73.
- Humbel, R.E. 1990. Insuline-like growth factors I and II. *Europ.J.Biochem.* 190 : 443-462.
- Jainudeen, M.R., and Hafez, E.S.E. 2000. Gestation, prenatal physiology and parturition, In : *Reproduction in Farm Animals*, ed. by Hafez, E.S.E., and Hafez, B., 7th ed., Lippincott Williams & Wilkins, Sydney. Pp.: 140-155.
- Kambadur, R., Sharma, M., Smith, T.P.L., and Bass, J.J. 1997. Mutation in myostatin (GDF8) in double muscled Bergian Blue and Piedmontese cattle. *Genome Research*, 7 : 910-916.
- Kelly, R.W., MacLeod, I., Hynd, P., and Greeff, J. 1996. Nutrition during fetal life alters annual wool production and quality in young Merino sheep. *Aust.J.Exp.Agric.*, 36 : 259-267.
- Kennaugh, J.M., Bell, A.W., Meschia, G., and Battaglia, F.C. 1987. Ontogenetic changes in protein synthesis rate and leucine oxidation during fetal life. *Ped.Res.*, 22 : 688 - 692.

- Kirk, S.P., Whittle, M.A., Oldham, J.M., Dobbie, P.M., and Bass, J.J. 1996. GH regulation of the type 2 IGF receptor in regenerating skeletal muscle of rat. *J.Endocrinol.*, 149 : 81-91.
- Kou, K., and Rotwein, P. 1993. Transcriptional activation of the insulin-like growth factor-II gene during myoblast differentiation. *Molecular Endocrinol.*, 7 : 291-302.
- Kuran, M., Onal, A., Robinson, J.J., Mackie, K., Speake, B.K., and McEvoy, T.G. 1999. A dietary supplement of calcium soaps of fatty acids enhances luteal function in sheep. *Anim.Sci.*, 69 : 385-393.
- Kwak, K.B., Chung, S.S., Kim, O.M., Kang, M.S., Ha, D.B., and Chung, C.H. 1993. Increase in the level of m-calpain correlates with the elevated cleavage of filamin during myogenic differentiation of embryonic muscle cells. *Biochim.Biophys.Acta*, 1175 : 234-249.
- Lawrence, T.L.J. dan Fowler, V.R. 2002. *Growth of Farm Animal*. CABI Publishing, Aberdeen, UK.
- Massaqué, J., Cheifetz, S., Endo, T., and Nadal-Ginard, B. 1986. Type B transforming growth factor is an inhibitor of myogenic differentiation. *Proc.Nat.Acad.Sci.*, USA., 83 : 8206-8210.
- Maxfield, E.K., Sinclair, K.D., Broadbent, P.J., McEvoy, T.G., Robinson, J.J., and Maltin, C.A. 1998. Short-term culture of ovine embryos modifies fetal myogenesis. *Am.J.Physiol.*, 274 : E1121-E1123.
- McDonald, L.E. 1980. *Veterinary Endocrinology and Reproduction*. 3rd ed., Lea & Febiger, Philadelphia.
- McPherron, A.C., Lawler, A.M., and Lee, S-J. 1997. Regulation of skeletal muscle mass in mice by new TGF \square superfamily number. *Nature*, 387 : 87-90.
- Monty, D.E., and Wolff, L.K. 1974. Summer heat stress and reduced fertility in Holstein-Friesian cows in Arizona. *Am.J.Vet.Res.*, 35 : 1495-1498.
- Moore, J.W., Dionne, C., Jaye, M., and Swain, J.L. 1991. The mRNAs encoding acidic FGF, basic FGF and FGF receptor are coordinately downregulated during myogenic differentiation. *Development*, 111 : 741-748.
- National Research Council. 1981. *Nutrient Requirements of Goats : Angora, Dairy and Meat Goats in Temperate and Tropical Countries*. National Academic Press, Washington, D.C.
- Oldham, J., Sharma, M., Martyn, J., Kambadur, R., and Bass, J. 1998. Myostatin and Myogenic regulator factors (MRFs), but not insulin-like growth factors (IGFs), differ between normal and double muscled cattle. *Proc.80th Conference Endocrine Soc.* Pp.: 3-310.

- Olsen, E.N., and Klein, W.H. 1994. bHLH factors in muscle development. *Gene and Development*, 8 : 1-8.
- Olsen, E.N., Perry, M., and Schulz, R.A. 1995. Regulation of muscle differentiation by MEF2 family of MADS box transcription factors. *Dev.Biol.*, 172 : 2-14.
- Orskov, E.R. 1992. Protein Nutritional in Ruminant. Academic Press, London.
- Petrie, L., Buskin, J.N., and Chesters, J.K. 1996. Zinc and the initiation of myoblast differentiation. *J.Nutr.Biochem.*, 7: 670-676.
- Powell, S.E., and Aberle, E.D. 1981. Skeletal muscle and adipose tissue cellularity in runt and normal birth weight swine. *J.Anim.Sci.*, 52 : 748-756.
- Purbowati, E. 2007. Kajian Perlemakan KarkasDomba Lokal Dengan Pakan Komplit Dari JeramiPadi Dan Konsentrat Pada Bobot Potong Yang Berbeda. Disertasi. Sekolah Pascasarjana, ProgramStudi Ilmu Peternakan, Universitas Gadjah Mada, Yogyakarta
- Reynolds, L.P., Ferrell, C.L., Robertson, D.A., and Ford, S.P. 1986. Metabolism of gravid uterus, foetus and utero-placental at several stages of gestation in cows. *J.Agric.Sci., Camb.*, 106 : 437 – 444.
- Robinson, J.J., Rooke, J.A., and McEvoy, T.G. 2002. Nutrition for conception and Pregnancy, In : Sheep Nutrition, ed.by Freer, M., and Dove, H., CAB International. Pp.: 189-211.
- Robinson, J.J., Sinclair, K.D., and McEvoy, T.G. 1999. Nutritional effects on foetal growth. *Anim.Sci.*, 68 : 315-331.
- Rosenthal, S.M., Brown, E.J. Brunetti, A., and Goldfine, I.D. 1991. Fibroblast growth factor inhibits insulin-like growth factor-II (IGF-II) gene expression and increases IGF-I receptor abundance in BC3H-1 muscle cells. *Molecular Endocrinol.*, 5 : 678-684.
- Rusdi. 2006. Dinamika Protein pada Ruminansia. Tadulako university Press. Palu.
- Smith, T.P.L., Lopez-Corrales, N.L., Kappes, S.M., and Sostegaard, T.S. 1997. Myostatin maps to the interval containing the bovine mh locus. *Mammalian Genome*, 8: 742-744.
- Van Veen, L.C.P., Teng, C., Hay, W.W.Jr., Meschia, G., and Battaglia, F.C. 1987. Leucine disposal and oxidation rates in the fetal lamb. *Metab.*, 36 : 48 – 53.
- Warnick, A.C., Wallace, H.D., Palmer., A.Z., Duerre, D.J., and Cadwell, V.E. 1965. Effect of temperatures in early embryo survival in gilts. *J.Anim.Sci.*, 24 : 89-95

Lampiran 1. Rataan konsumsi Pakan Induk (Kg/eko/hari), Analisis ragam dan uji Jarak Berganda Duncan Pengaruh Nutrition in utero pada Umur Kebuntingan 1-50 Hari

| kelompok | Perlakuan | | | | |
|---------------|-------------|-------------|-------------|-------------|-------------|
| | T0 | T1 | T2 | T3 | T4 |
| I | 4,28 | 3,87 | 4,13 | 4,11 | 3,91 |
| II | 3,71 | 3,45 | 3,73 | 3,77 | 3,62 |
| III | 3,28 | 2,76 | 2,92 | 2,84 | 2,87 |
| IV | 3,28 | 2,76 | 2,92 | 2,84 | 2,87 |
| V | 2,67 | 2,58 | 2,55 | 2,61 | 2,51 |
| Rataan | 3,44 | 3,08 | 3,25 | 3,23 | 3,16 |

Keterangan :

T0 : Tanpa Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan
T1 : NU 1 – 50 hari kebuntingan T4 : NU 1 – 150 hari kebuntingan
T2 : NU 51 – 100 hari kebuntingan

Analisis Ragam

Dependent Variable: Konsumsi Pakan I

| Source | Type III Sum of Squares | Df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|-----------|------|
| Corrected Model | 7.679(a) | 8 | .960 | 98.585 | .000 |
| Intercept | 261.404 | 1 | 261.404 | 26847.864 | .000 |
| Kelompok | 7.314 | 4 | 1.829 | 187.806 | .000 |
| Perlakuan | .365 | 4 | .091 | 9.364 | .000 |
| Error | .156 | 16 | .010 | | |
| Total | 269.239 | 25 | | | |
| Corrected Total | 7.835 | 24 | | | |

a R Squared = .980 (Adjusted R Squared = .970)

Kesimpulan :

HO ditolak, H1 diterima dimana faktor perlakuan berpengaruh sangat nyata ($P<0,01$) terhadap Konsumsi pakan I (1-50 hari kebuntingan)

Uji Duncan

| Perlakuan | N | | | | Subset |
|-----------|---|---------|---------|---------|--------|
| | 1 | 2 | 3 | 1 | |
| 2.000 | 5 | 3.08400 | | | |
| 5.000 | 5 | 3.15600 | 3.15600 | | |
| 4.000 | 5 | | 3.23400 | | |
| 3.000 | 5 | | 3.25000 | | |
| 1.000 | 5 | | | 3.44400 | |
| Sig. | | .266 | .172 | 1.000 | |

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = .010.

a Uses Harmonic Mean Sample Size = 5.000.

b Alpha = .05.

Lampiran 2. Rataan konsumsi Pakan Induk (Kg/eko/hari), Analisis ragam dan uji Jarak Berganda Duncan Pengaruh Nutrition in utero pada Umur Kebuntingan 51-100 Hari

| Kelompok | Perlakuan | | | | |
|---------------|-------------|-------------|-------------|-------------|-------------|
| | T0 | T1 | T2 | T3 | T4 |
| I | 4,34 | 3,87 | 4,61 | 4,23 | 4,51 |
| II | 3,81 | 3,45 | 3,75 | 4,07 | 3,92 |
| III | 3,98 | 3,22 | 3,24 | 3,62 | 3,66 |
| IV | 3,48 | 3,12 | 3,05 | 3,14 | 3,57 |
| V | 2,75 | 2,69 | 2,72 | 2,63 | 3,01 |
| Rataan | 3,67 | 3,27 | 3,47 | 3,54 | 3,73 |

Keterangan :

T0 : Tanpa Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan
T1 : NU 1 – 50 hari kebuntingan T4 : NU 1 – 150 hari kebuntingan
T2 : NU 51 – 100 hari kebuntingan

Analisis Ragam

| Source | Type III Sum of Squares | Df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 7.380(a) | 8 | .923 | 24.749 | .000 |
| Intercept | 312.865 | 1 | 312.865 | 8393.099 | .000 |
| Kelompok | 6.719 | 4 | 1.680 | 45.062 | .000 |
| Perlakuan | .661 | 4 | .165 | 4.436 | .013 |
| Error | .596 | 16 | .037 | | |
| Total | 320.842 | 25 | | | |
| Corrected Total | 7.977 | 24 | | | |

a R Squared = .925 (Adjusted R Squared = .888)

Kesimpulan :

H1di terima, dimana faktor perlakuan berpengaruh nyata ($P<0,05$) terhadap Konsumsi pakan II (51-100 hari kebuntingan)

Uji Duncan

| Perlakuan | N | Subset | |
|-----------|---|---------|---------|
| | | 1 | 2 |
| 2.000 | 5 | 3.27000 | |
| 3.000 | 5 | 3.47400 | 3.47400 |
| 4.000 | 5 | 3.53800 | 3.53800 |
| 1.000 | 5 | | 3.67200 |
| 5.000 | 5 | | 3.73400 |
| Sig. | | .053 | .066 |

Means for groups in homogeneous subsets are displayed.

Based on Type III Sum of Squares

The error term is Mean Square(Error) = .037.

a Uses Harmonic Mean Sample Size = 5.000.

b Alpha = .05.

Lampiran 3. Rataan konsumsi Pakan Induk (Kg/eko/hari), Analisis ragam dan uji Jarak Berganda Duncan Pengaruh Nutrition in utero pada Umur Kebuntingan 101-150 Hari

| Kelompok | Perlakuan | | | | |
|----------|-----------|------|-------|-------|-------|
| | T0 | T1 | T2 | T3 | T4 |
| I | 4,79 | 4,62 | 5,05 | 4,95 | 4,51 |
| II | 4,51 | 4,22 | 3,99 | 4,07 | 3,92 |
| III | 4,22 | 4,18 | 3,72 | 3,83 | 3,66 |
| IV | 3,79 | 3,79 | 3,64 | 3,87 | 3,57 |
| V | 2,75 | 3,09 | 3,24 | 3,32 | 3,01 |
| Rataan | 4,012 | 3,98 | 3,928 | 4,008 | 3,734 |

Keterangan :

T0 : Tanpa Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan

T1 : NU 1 – 50 hari kebuntingan

T4 : NU 1 – 150 hari kebuntingan

T2 : NU 51 – 100 hari kebuntingan

Analisis Ragam

| Source | Type III Sum of Squares | Df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|---------|------|
| Corrected Model | 7.932(a) | 8 | .991 | 23.268 | .000 |
| Intercept | 386.594 | 1 | 386.594 | 9073.06 | .000 |
| Kelompok | 7.663 | 4 | 1.916 | 44.961 | .000 |
| Perlakuan | .268 | 4 | .067 | 1.575 | .229 |
| Error | .682 | 16 | .043 | | |
| Total | 395.208 | 25 | | | |
| Corrected Total | 8.613 | 24 | | | |

a R Squared = .921 (Adjusted R Squared = .881)

Kesimpulan :

HO diterima dimana faktor perlakuan tidak berpengaruh nyata ($P>0,05$) terhadap Konsumsi Pakan III (101-150 hari kebuntingan)

Lampiran 4. Rataan konsumsi AirInduk (Kg/ekor/hari), Analisis ragam dan uji Jarak Berganda DuncanPengaruh Nutrition in utero pada Umur Kebuntingan 1-50 Hari

| kelompok | Perlakuan | | | | |
|----------|-------------|-------------|-------------|-------------|-------------|
| | T0 | T1 | T2 | T3 | T4 |
| I | 2,42 | 2,57 | 2,39 | 2,29 | 2,51 |
| II | 2,37 | 2,52 | 2,45 | 2,37 | 2,62 |
| III | 2,13 | 2,51 | 2,23 | 2,28 | 2,47 |
| IV | 2,38 | 2,49 | 2,26 | 2,24 | 2,38 |
| V | 2,27 | 2,58 | 2,25 | 2,35 | 2,56 |
| Rataan | 2,31 | 2,53 | 2,32 | 2,31 | 2,51 |

Keterangan :

T0 : Tanpa Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan
T1 : NU 1 – 50 hari kebuntingan T4 : NU 1 – 150 hari kebuntingan
T2 : NU 51 – 100 hari kebuntingan

Analisi Ragam

| Source | Type III Sum of Squares | Df | Mean Square | F | Sig. |
|-----------------|-------------------------------|----|----------------|-----------|------|
| Corrected Model | .333(a) | 8 | .042 | 8.984 | .000 |
| Intercept | 143.472 | 1 | 143.472 | 30944.135 | .000 |
| Kelompok | .069 | 4 | .017 | 3.730 | .025 |
| Perlakuan | .264 | 4 | .066 | 14.238 | .000 |
| Error | .074 | 16 | .005 | | |
| Total | 143.880 | 25 | | | |
| Corrected Total | .407 | 24 | | | |

R Squared = .818 (Adjusted R Squared = .727)

Kesimpulan :

H1 diterima dimana perlakuan berpengaruh sangat nyata ($P < 0.01$)

Ujj Duncan

| Perlakuan | N | Subset | |
|-----------|---|---------|---------|
| | | 1 | 2 |
| 4.000 | 5 | 2.30600 | |
| 1.000 | 5 | 2.31400 | |
| 3.000 | 5 | 2.31600 | |
| 5.000 | 5 | | 2.50800 |
| 2.000 | 5 | | 2.53400 |
| Sig. | | .829 | .554 |

Means for groups in homogeneous subsets are displayed. Based on Type III Sum of Squares. The error term is Mean Square(Error) = .005.

a Uses Harmonic Mean Sample Size = 5,000.b Alpha = .05.

Lampiran 5. Rataan konsumsi AirInduk (Liter/ekor/hari), Analisis ragam dan uji Jarak Berganda DuncanPengaruh Nutrition in utero pada Umur Kebuntingan 51-100 Hari

| kelompok | Perlakuan | | | | | Rataan |
|----------|-----------|-------|-------|-------|-------|---------------|
| | T0 | T1 | T2 | T3 | T4 | |
| I | 2,52 | 2,6 | 2,79 | 2,59 | 2,63 | 2,626 |
| II | 2,37 | 2,67 | 2,65 | 2,47 | 2,62 | 2,556 |
| III | 2,53 | 2,52 | 2,47 | 2,45 | 2,55 | 2,504 |
| IV | 2,58 | 2,52 | 2,46 | 2,44 | 2,53 | 2,506 |
| V | 2,47 | 2,58 | 2,45 | 2,46 | 2,59 | 2,51 |
| Rataan | 2,494 | 2,578 | 2,564 | 2,482 | 2,584 | 2,5404 |

Keterangan :

T0 : Tanpa Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan
T1 : NU 1 – 50 hari kebuntingan T4 : NU 1 – 150 hari kebuntingan
T2 : NU 51 – 100 hari kebuntingan

Analisis Ragam

Dependent Variable: Konsumsi Air II

| Source | Type III Sum of Squares | Df | Mean Square | F | Sig. |
|-----------------|-------------------------------|----|----------------|-----------|------|
| Corrected Model | .102(a) | 8 | .013 | 2.050 | .106 |
| Intercept | 161.341 | 1 | 161.341 | 25891.166 | .000 |
| Kelompok | .055 | 4 | .014 | 2.207 | .114 |
| Perlakuan | .047 | 4 | .012 | 1.893 | .161 |
| Error | .100 | 16 | .006 | | |
| Total | 161.543 | 25 | | | |
| Corrected Total | .202 | 24 | | | |

a R Squared = .506 (Adjusted R Squared = .259)

Kesimpulan :

HO diterima dimana faktor perlakuan tidak berpengaruh nyata ($P>0,05$) terhadap Konsumsi Air II (51-100 hari kebuntingan)

Lampiran 6. Rataan konsumsi Pakan Induk (Kg/ekor/hari), Analisis ragam dan uji Jarak Berganda Duncan Pengaruh Nutrition in utero pada Umur Kebuntingan 101-150 Hari

| Kelompok | Perlakuan | | | | |
|-----------------|------------------|-------------|-------------|-------------|-------------|
| | T0 | T1 | T2 | T3 | T4 |
| I | 2,53 | 2,62 | 2,79 | 2,69 | 2,67 |
| II | 2,34 | 2,68 | 2,65 | 2,67 | 2,68 |
| III | 2,53 | 2,55 | 2,54 | 2,65 | 2,65 |
| IV | 2,56 | 2,57 | 2,56 | 2,54 | 2,67 |
| V | 2,54 | 2,54 | 2,55 | 2,56 | 2,69 |
| Rataan | 2,50 | 2,59 | 2,62 | 2,62 | 2,67 |

Keterangan :

T0 : Tanpa Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan
T1 : NU 1 – 50 hari kebuntingan T4 : NU 1 – 150 hari kebuntingan
T2 : NU 51 – 100 hari kebuntingan

Analisis Ragam

| Source | Type III Sum of Squares | Df | Mean Square | F | Sig. |
|-----------------|--------------------------------|-----------|--------------------|-----------|-------------|
| Corrected Model | .104(a) | 8 | .013 | 2.439 | .061 |
| Intercept | 169.104 | 1 | 169.104 | 31572.819 | .000 |
| Kelompok | .024 | 4 | .006 | 1.131 | .377 |
| Perlakuan | .080 | 4 | .020 | 3.746 | .025 |
| Error | .086 | 16 | .005 | | |
| Total | 169.294 | 25 | | | |
| Corrected Total | .190 | 24 | | | |

a R Squared = .549 (Adjusted R Squared = .324)

H1 diterima dimana perlakuan berpengaruh nyata ($P < 0,05$) terhadap Konsumsi Air (101 - 150 hari kebuntingan)

Uji Duncan

| Perlakuan | N | Subset | |
|------------------|----------|---------------|----------|
| | | 1 | 2 |
| 1.000 | 5 | 2.50000 | |
| 2.000 | 5 | 2.59200 | 2.59200 |
| 3.000 | 5 | | 2.61800 |
| 4.000 | 5 | | 2.62200 |
| 5.000 | 5 | | 2.67200 |
| Sig. | | .064 | .130 |

Means for groups in homogeneous subsets are displayed. Based on Type III Sum of Squares. The error term is Mean Square(Error) = .005.

a Uses Harmonic Mean Sample Size = 5.000.

b Alpha = .05.

Lampiran 7. Rataan Pertambahan Berat BadanInduk (Kg/50 hari), Analisis ragam dan uji Jarak Berganda Duncan Pengaruh Nutrition in utero pada Umur Kebuntingan 1 - 50 Hari

| KELOMPOK | PERLAKUAN | | | | |
|---------------|-------------|-------------|-------------|------------|-------------|
| | T1 | T2 | T3 | T4 | T5 |
| 1 | 2,3 | 1,3 | 4,9 | 1,3 | 2,1 |
| 2 | 1,3 | 2,4 | 1,1 | 3,2 | 1 |
| 3 | 5,5 | 1,4 | 4,6 | 2,4 | 0,8 |
| 4 | 0,6 | 3,7 | 1,3 | 2,6 | 4,5 |
| 5 | 1,2 | 1,6 | 2 | 1,5 | 1,2 |
| RATAAN | 2,18 | 2,08 | 2,78 | 2,2 | 1,92 |

K

Keterangan :

T0 : Tanpa Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan
 T1 : NU 1 – 50 hari kebuntingan T4 : NU 1 – 150 hari kebuntingan
 T2 : NU 51 – 100 hari kebuntingan

Analisis Ragam

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|--------|------|
| Corrected Model | 8.825(a) | 8 | 1.103 | .467 | .862 |
| Intercept | 124.546 | 1 | 124.546 | 52.676 | .000 |
| Kelompok | 6.702 | 4 | 1.676 | .709 | .598 |
| Perlakuan | 2.122 | 4 | .531 | .224 | .921 |
| Error | 37.830 | 16 | 2.364 | | |
| Total | 171.200 | 25 | | | |
| Corrected Total | 46.654 | 24 | | | |

a R Squared = .189 (Adjusted R Squared = -.216)

Kesimpulan :

HO diterima dimana faktor perlakuan tidak berpengaruh nyata ($P>0,05$) terhadap kandungan pertambahan Berat Badan 1 (50 hari kebuntingan)

Lampiran 8. Rataan Pertambahan Berat BadanInduk (Kg), Analisis ragam dan uji Jarak Berganda Duncan Pengaruh Nutrition in utero pada Umur Kebuntingan 51 - 100 Hari

| KELOMPOK | PERLAKUAN | | | | |
|---------------|-------------|-------------|-------------|-------------|-------------|
| | T0 | T1 | T2 | T3 | T4 |
| 1 | 1,1 | 3,1 | 2,1 | 2 | 6,3 |
| 2 | 3 | 1,4 | 1,8 | 0,7 | 0,8 |
| 3 | 2,4 | 5,7 | 3,1 | 0,4 | 2,4 |
| 4 | 1,5 | 3,9 | 3,7 | 2,5 | 0,6 |
| 5 | 2,2 | 3,6 | 2,6 | 4 | 6,6 |
| Rataan | 2,04 | 3,54 | 2,66 | 1,92 | 3,34 |

Keterangan :

T0 : Tanpa Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan
T1 : NU 1 – 50 hari kebuntingan T4 : NU 1 – 150 hari kebuntingan
T2 : NU 51 – 100 hari kebuntingan

Analisis Ragam

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|--------|------|
| Corrected Model | 24.212(a) | 8 | 3.027 | 1.115 | .404 |
| Intercept | 182.250 | 1 | 182.250 | 67.115 | .000 |
| Kelompok | 13.408 | 4 | 3.352 | 1.234 | .336 |
| Perlakuan | 10.804 | 4 | 2.701 | .995 | .439 |
| Error | 43.448 | 16 | 2.715 | | |
| Total | 249.910 | 25 | | | |
| Corrected Total | 67.660 | 24 | | | |

a R Squared = .358 (Adjusted R Squared = .037)

Kesimpulan :

HO diterima dimana faktor perlakuan tidak berpengaruh nyata ($P>0,05$) terhadap kandungan pertambahan Berat Badan II (100 hari kebuntingan)

Lampiran 9. Rataan Pertambahan Berat BadanInduk (Kg), Analisis ragam dan uji Jarak Berganda DuncanPengaruh Nutrition in utero pada Umur Kebuntingan 101 - 100 Hari

| KELOMPOK | PERLAKUAN | | | | |
|-----------------|------------------|-------------|-------------|-------------|-------------|
| | T0 | T1 | T2 | T3 | T4 |
| 1 | 1,1 | 3,1 | 2,1 | 2 | 6,3 |
| 2 | 3 | 1,4 | 1,8 | 0,7 | 0,8 |
| 3 | 2,4 | 5,7 | 3,1 | 0,4 | 2,4 |
| 4 | 1,5 | 3,9 | 3,7 | 2,5 | 0,6 |
| 5 | 2,2 | 3,6 | 2,6 | 4 | 6,6 |
| Rataan | 2,04 | 3,54 | 2,66 | 1,92 | 3,34 |

Keterangan :

T0 : Tanpa Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan

T1 : NU 1 – 50 hari kebuntingan

T4 : NU 1 – 150 hari kebuntingan

T2 : NU 51 – 100 hari kebuntingan

Analisis Ragam

| Source | Type III Sum of Squares | Df | Mean Square | F | Sig. |
|-----------------|--------------------------------|-----------|--------------------|----------|-------------|
| Corrected Model | 11.269(a) | 8 | 1.409 | .967 | .494 |
| Intercept | 91.012 | 1 | 91.012 | 62.471 | .000 |
| Kelompok | 4.002 | 4 | 1.001 | .687 | .611 |
| Perlakuan | 7.266 | 4 | 1.817 | 1.247 | .331 |
| Error | 23.310 | 16 | 1.457 | | |
| Total | 125.590 | 25 | | | |
| Corrected Total | 34.578 | 24 | | | |

a R Squared = .326 (Adjusted R Squared = -.011)

Kesimpulan :

HO diterima dimana faktor perlakuan tidak berpengaruh nyata ($P>0,05$)

terhadap pertambahan Berat Badan III (150 hari kebuntingan)

Lampiran 10. Kandungan Kreatinin Darah (mg/dl), Analisis ragam dan uji Jarak Berganda Duncan Pengaruh Nutrition in utero pada Umur Kebuntingan 1 - 50 Hari

| KELOMPOK | PERLAKUAN | | | | |
|----------|--------------|---------------|---------------|---------------|---------------|
| | T0 | T1 | T2 | T3 | T4 |
| 1 | 0,378 | 0,843 | 0,765 | 0,415 | 0,843 |
| 2 | 0,612 | 1,137 | 0,863 | 0,694 | 0,641 |
| 3 | 0,684 | 0,935 | 0,683 | 0,432 | 0,632 |
| 4 | 0,862 | 0,941 | 0,775 | 1,225 | 0,719 |
| 5 | 0,725 | 0,835 | 0,677 | 0,795 | 0,736 |
| RATAAN | 0,725 | 0,9382 | 0,7526 | 0,7122 | 0,7142 |

Keterangan :

T0 : Tanpa Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan
T1 : NU 1 – 50 hari kebuntingan T4 : NU 1 – 150 hari kebuntingan
T2 : NU 51 – 100 hari kebuntingan

Analisis Ragam

| Source | Type III Sum of Squares | Df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|---------|------|
| Corrected Model | .324(a) | 8 | .041 | 1.172 | .373 |
| Intercept | 13.908 | 1 | 13.908 | 402.180 | .000 |
| Kelompok | .154 | 4 | .038 | 1.110 | .386 |
| Perlakuan | .171 | 4 | .043 | 1.235 | .336 |
| Error | .553 | 16 | .035 | | |
| Total | 14.786 | 25 | | | |
| Corrected Total | .878 | 24 | | | |

a R Squared = .370 (Adjusted R Squared = .054)

Kesimpulan :

HO diterima dimana perlakuan tidak berpengaruh nyata ($P>0,05$) terhadap kandungan kreatinin 1 (50 hari kebuntingan)

Lampiran 11. Kandungan Kreatinin Darah (mg/dl), Analisis ragam dan uji Jarak Berganda Duncan Pengaruh Nutrition in utero pada Umur Kebuntingan 51 - 100 Hari

| Kelompok | Perlakuan | | | | |
|-----------------|------------------|-------------|-------------|-------------|-------------|
| | T0 | T1 | T2 | T3 | T4 |
| I | 1,57 | 1,04 | 1,50 | 1,60 | 1,12 |
| II | 1,19 | 1,24 | 1,69 | 1,57 | 1,82 |
| III | 1,28 | 1,63 | 1,60 | 1,02 | 2,34 |
| IV | 1,27 | 1,74 | 2,09 | 0,79 | 1,41 |
| V | 1,27 | 1,44 | 1,68 | 1,29 | 1,54 |
| Rataan | 1,32 | 1,42 | 1,71 | 1,25 | 1,64 |

Keterangan :

T0 : Tanpa Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan

T1 : NU 1 – 50 hari kebuntingan

T4 : NU 1 – 150 hari kebuntingan

T2 : NU 51 – 100 hari kebuntingan

Analisi Ragam

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|--|-----------|------------------------|----------|-------------|
| Corrected Model | .927(a) | 8 | .116 | 1.005 | .470 |
| Intercept | 53.923 | 1 | 53.923 | 467.549 | .000 |
| Kelompok | .119 | 4 | .030 | .259 | .900 |
| Perlakuan | .808 | 4 | .202 | 1.751 | .188 |
| Error | 1.845 | 16 | .115 | | |
| Total | 56.695 | 25 | | | |
| Corrected Total | 2.772 | 24 | | | |

a R Squared = .334 (Adjusted R Squared = .002)

Kesimpulan :

HO diterima dimana perlakuan tidak berpengaruh nyata ($P>0,05$) terhadap kandungan kreatinin darah (100 hari kebuntingan).

Lampiran 12. Kandungan Kreatinin Darah (mg/dl), Analisis ragam dan uji Jarak Berganda Duncan Pengaruh Nutrition in utero pada Umur Kebuntingan 101 - 150 Hari

| Kelompok | Perlakuan | | | | |
|----------|-------------|-------------|-------------|-------------|-------------|
| | T1 | T2 | T3 | T4 | T5 |
| I | 2,10 | 1,24 | 1,50 | 2,08 | 1,54 |
| II | 1,76 | 1,44 | 1,69 | 2,11 | 2,43 |
| III | 1,26 | 1,64 | 1,59 | 1,39 | 2,50 |
| IV | 1,26 | 1,94 | 2,10 | 1,22 | 1,73 |
| V | 1,28 | 1,74 | 1,71 | 1,59 | 1,64 |
| Rataan | 1,53 | 1,60 | 1,72 | 1,68 | 1,97 |

Keterangan :

T0 : Tanda Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan
T1 : NU 1 – 50 hari kebuntingan T4 : NU 1 – 150 hari kebuntingan
T2 : NU 51 – 100 hari kebuntingan

Analisis Ragam

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|---------|------|
| Corrected Model | .802(a) | 8 | .100 | .687 | .698 |
| Intercept | 72.216 | 1 | 72.216 | 494.616 | .000 |
| Kelompok | .247 | 4 | .062 | .423 | .790 |
| Perlakuan | .555 | 4 | .139 | .950 | .461 |
| Error | 2.336 | 16 | .146 | | |
| Total | 75.354 | 25 | | | |
| Corrected Total | 3.138 | 24 | | | |

a R Squared = .256 (Adjusted R Squared = -.117)

Kesimpulan :

HO diterima dimana faktor perlakuan tidak berpengaruh nyata ($P>0,05$) terhadap kandungan kreatinin (150 hari kebuntingan).

Lampiran 13. Kandungan Urea Darah (mg/dl), Analisis ragam dan uji Jarak Berganda Duncan Pengaruh Nutrition in utero pada Umur Kebuntingan 1 - 50 Hari

| Kelompok | Perlakuan (Mg/Dl) | | | | |
|----------|-------------------|--------------|---------------|---------------|--------------|
| | T1 | T2 | T3 | T4 | T5 |
| I | 19,00 | 121,00 | 107,00 | 100,00 | 85,00 |
| II | 107,00 | 98,00 | 89,00 | 136 | 104,00 |
| III | 139,00 | 94,00 | 87,00 | 94,00 | 113,00 |
| IV | 100,00 | 85,00 | 100,00 | 74,00 | 100,00 |
| V | 107,00 | 87,00 | 123,00 | 109,00 | 74,00 |
| Rataan | 114,40 | 97,00 | 101,20 | 102,60 | 95,20 |

Keterangan :

T0 : Tanpa Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan
T1 : NU 1 – 50 hari kebuntingan T4 : NU 1 – 150 hari kebuntingan
T2 : NU 51 – 100 hari kebuntingan

Analisis Ragam

| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|---------|------|
| Corrected Model | 1939.680(a) | 8 | 242.460 | .800 | .612 |
| Intercept | 260508.160 | 1 | 260508.160 | 859.380 | .000 |
| Kelompok | 809.840 | 4 | 202.460 | .668 | .624 |
| Perlakuan | 1129.840 | 4 | 282.460 | .932 | .470 |
| Error | 4850.160 | 16 | 303.135 | | |
| Total | 267298.000 | 25 | | | |
| Corrected Total | 6789.840 | 24 | | | |

a R Squared = .286 (Adjusted R Squared = -.071)

Kesimpulan :

HO diterima dimana perlakuan tidak berpengaruh nyata ($P > 0,05$) terhadap kandungan urea Darah I (50 hari kebuntingan)

Lampiran 14. Kandungan Urea Darah (mg/dl), Analisis ragam dan uji Jarak Berganda Duncan Pengaruh Nutrition in utero pada Umur Kebuntingan 51 - 100 Hari

| Kelompok | Perlakuan (Mg/Dl) | | | | |
|----------|-------------------|--------------|--------------|--------------|--------------|
| | T0 | T1 | T2 | T3 | T4 |
| I | 79,00 | 76,00 | 53,00 | 81,00 | 71,00 |
| II | 85,00 | 65,00 | 57,00 | 93,00 | 87,00 |
| III | 77,00 | 54,00 | 64,00 | 104,00 | 87,00 |
| IV | 89,00 | 65,00 | 69,00 | 64,00 | 75,00 |
| V | 74,00 | 59,00 | 64,00 | 73,00 | 67,00 |
| Rataan | 80,80 | 63,80 | 61,40 | 83,00 | 77,40 |

Keterangan :

T0 : Tanpa Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan
T1 : NU 1 – 50 hari kebuntingan T4 : NU 1 – 150 hari kebuntingan
T2 : NU 51 – 100 hari kebuntingan

Analisis Ragam

| Source | Type III Sum of Squares | Df | Mean Square | F | Sig. |
|-----------------|-------------------------------|----|----------------|----------|------|
| Corrected Model | 2341.680(a) | 8 | 292.710 | 2.965 | .031 |
| Intercept | 134248.960 | 1 | 134248.960 | 1360.034 | .000 |
| Kelompok | 346.640 | 4 | 86.660 | .878 | .499 |
| Perlakuan | 1995.040 | 4 | 498.760 | 5.053 | .008 |
| Error | 1579.360 | 16 | 98.710 | | |
| Total | 138170.000 | 25 | | | |
| Corrected Total | 3921.040 | 24 | | | |

a R Squared = .597 (Adjusted R Squared = .396)

Kesimpulan :

Perlakuan berpengaruh sangat nyata ($P<0,01$) terhadap kandungan urea Darah 2

Ujj Duncan

| Perlakuan | N | Subset | |
|-----------|---|----------|----------|
| | 1 | 2 | 1 |
| 3.000 | 5 | 61.40000 | |
| 2.000 | 5 | 63.80000 | |
| 5.000 | 5 | | 77.40000 |
| 1.000 | 5 | | 80.80000 |
| 4.000 | 5 | | 83.00000 |
| Sig. | | .708 | .411 |

Means for groups in homogeneous subsets are displayed. Based on Type III Sum of Squares. The error term is Mean Square(Error) = 98.710.

a Uses Harmonic Mean Sample Size = 5.000.b Alpha = .05.

Lampiran 15. Kandungan Kreatinin Darah (mg/dl), Analisis ragam dan uji Jarak Berganda DuncanPengaruh Nutrition in utero pada Umur Kebuntingan 101 - 150 Hari

| Kelompok | Perlakuan | | | | |
|----------|-----------|------|------|------|------|
| | T0 | T1 | T2 | T3 | T4 |
| I | 74 | 73 | 54 | 78 | 68 |
| II | 86 | 63 | 51 | 92 | 77 |
| III | 73 | 53 | 64 | 89 | 86 |
| IV | 81 | 61 | 67 | 74 | 69 |
| V | 63 | 58 | 63 | 71 | 53 |
| Rataan | 75,4 | 61,6 | 59,8 | 80,8 | 70,6 |

Keterangan :

T0 : Tanpa Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan
T1 : NU 1 – 50 hari kebuntingan T4 : NU 1 – 150 hari kebuntingan
T2 : NU 51 – 100 hari kebuntingan

Analisis Ragam

| Source | Type III Sum of Squares | Df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 2069.920(a) | 8 | 258.740 | 3.491 | .016 |
| Intercept | 121243.240 | 1 | 121243.240 | 1635.880 | .000 |
| Kelompok | 469.360 | 4 | 117.340 | 1.583 | .227 |
| Perlakuan | 1600.560 | 4 | 400.140 | 5.399 | .006 |
| Error | 1185.840 | 16 | 74.115 | | |
| Total | 124499.000 | 25 | | | |
| Corrected Total | 3255.760 | 24 | | | |

a R Squared = .636 (Adjusted R Squared = .454)

Kesimpulan :

H1 diterima dimana perlakuan berpengaruh sangat nyata ($P<0,01$) terhadap kandungan urea Darah III (150 hari kebuntingan).

Uji Duncan

| Perlakuan | N | | Subset |
|-----------|---|----------|----------|
| | 1 | 2 | |
| 3.000 | 5 | 59.80000 | |
| 2.000 | 5 | 61.60000 | |
| 5.000 | 5 | 70.60000 | 70.60000 |
| 1.000 | 5 | | 75.40000 |
| 4.000 | 5 | | 80.80000 |
| Sig. | | .077 | .094 |

Means for groups in homogeneous subsets are displayed. Based on Type III Sum of Squares. The error term is Mean Square(Error) = 74.115.

a Uses Harmonic Mean Sample Size = 5.000.b Alpha = .05.

Lampiran 16. Rataan Berat Lahir (Kg/Induk), Analisis ragam dan uji Jarak Berganda Duncan Pengaruh Nutrition in utero pada Umur Kebuntingan Berbeda

| KELOMPOK | PERLAKUAN | | | | |
|----------|-----------|------|------|------|------|
| | T0 | T1 | T2 | T3 | T4 |
| I | 5,00 | 4,6 | 5,4 | 6,2 | 6,1 |
| II | 3,60 | 5,8 | 3,8 | 5,3 | 6,1 |
| III | 5,00 | 6,1 | 4,9 | 6,8 | 6,3 |
| IV | | 4,7 | | 4,8 | 6,7 |
| V | 4,80 | | 5,2 | | |
| RATAAN | 4,60 | 5,30 | 4,83 | 5,78 | 6,30 |

Keterangan :

T0 : Tanpa Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan
 T1 : NU 1 – 50 hari kebuntingan T4 : NU 1 – 150 hari kebuntingan
 T2 : NU 51 – 100 hari kebuntingan

Analisis Ragam

| Source | Type III Sum of Squares | Df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 10,579(a) | 8 | 1,322 | 3,314 | ,035 |
| Intercept | 499,513 | 1 | 499,513 | 1251,921 | ,000 |
| Perlakuan | 8,239 | 4 | 2,060 | 5,162 | ,014 |
| Kelompok | 2,886 | 4 | ,722 | 1,808 | ,198 |
| Error | 4,389 | 11 | ,399 | | |
| Total | 589,560 | 20 | | | |
| Corrected Total | 14,968 | 19 | | | |

a R Squared = ,707 (Adjusted R Squared = ,494)

Kesimpulan :

Perlakuan berpengaruh nyata ($P < 0,05$) terhadap Berat Lahir anak.

Uji Duncan

| Perlakuan | N | Subset | | |
|-----------|---|--------|--------|--------|
| | | 1 | 2 | 3 |
| 1,00 | 4 | 4,6000 | | |
| 3,00 | 4 | 4,8250 | 4,8250 | |
| 2,00 | 4 | 5,3000 | 5,3000 | 5,3000 |
| 4,00 | 4 | | 5,7750 | 5,7750 |
| 5,00 | 4 | | | 6,3000 |
| Sig. | | ,163 | ,067 | ,056 |

Means for groups in homogeneous subsets are displayed. Based on Type III Sum of Squares. The error term is Mean Square(Error) = ,399.

a. Uses Harmonic Mean Sample Size = 4,000. B. Alpha = ,05.

Lampiran 17. Rataan Berat 4 Minggu (Kg/induk), Analisis ragam dan uji Jarak Berganda DuncanPengaruh Nutrition in utero pada Umur Kebuntingan Berbeda

| KELOMPOK | PERLAKUAN | | | | |
|----------|-----------|-------|-------|-------|-------|
| | T0 | T1 | T2 | T3 | T4 |
| I | 12,10 | 15,90 | 11,80 | 11,90 | 15,10 |
| II | 13,00 | 14,80 | 13,80 | 12,00 | 14,50 |
| III | 9,90 | 15,00 | 15,80 | 13,20 | 15,00 |
| IV | . | 15,60 | . | 12,30 | 16,00 |
| V | 10,20 | . | 19,80 | . | |
| RATAAN | 11,30 | 15,32 | 15,30 | 12,35 | 15,15 |

Keterangan :

T0 : Tanda Pemberian Nutrition in utero (NU) T3 : NU 101 – 150 hari kebuntingan
T1 : NU 1 – 50 hari kebuntingan T4 : NU 1 – 150 hari kebuntingan
T2 : NU 51 – 100 hari kebuntingan

Analisis Ragam

| Source | Type III Sum of Squares | Df | Mean Square | F | Sig. |
|-----------------|-------------------------|----|-------------|----------|------|
| Corrected Model | 67,528(a) | 8 | 8,441 | 2,576 | ,074 |
| Intercept | 3458,318 | 1 | 3458,318 | 1055,597 | ,000 |
| Perlakuan | 61,577 | 4 | 15,394 | 4,699 | ,019 |
| Kelompok | 8,670 | 4 | 2,167 | ,662 | ,631 |
| Error | 36,038 | 11 | 3,276 | | |
| Total | 3959,430 | 20 | | | |
| Corrected Total | 103,566 | 19 | | | |

a R Squared = ,652 (Adjusted R Squared = ,399)

Kesimpulan

Perlakuan berpengaruh nyata ($P<0,01$) berat 4 minggu anak kambing PE

Uji Duncan

| Perlakuan | N | | Subset 1 |
|-----------|---|---------|-------------|
| | 1 | 2 | |
| 1,00 | 4 | 11,3000 | |
| 4,00 | 4 | 12,3500 | 12,3500 |
| 5,00 | 4 | | 15,1500 |
| 3,00 | 4 | | 15,3000 |
| 2,00 | 4 | | 15,3250 |
| Sig. | | ,429 | ,053 |

Means for groups in homogeneous subsets are displayed. Based on Type III Sum of Squares. The error term is Mean Square(Error) = 3,276.

a Uses Harmonic Mean Sample Size = 4,000.b Alpha = .05.