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Akimi

Puji syukur kita panjatkan kehadirat Allah SWT, atas terbitnya jurnal Pengembangan Penyuluhan Pertanian, Bidang Ilmu-ilmu Peternakan, Volume 2(3), Juli 2006, yang diterbitkan oleh Program Studi Penyuluhan Peternakan, Sekolah Tinggi Penyuluhan Peternakan. Jurnal ini merupakan publikasi ilmiah di bidang Ilmu Penyuluhan Pertanian, khususnya Penyuluhan di bidang Peternakan, yang terbit 2 (dua) kali dalam setahun, yaitu pada bulan Juli dan Desember.

Pada edisi kali ini menampilkan hasil penelitian tentang Kajian Dinamika kelompok Pada Kelompok Tani Ternak Sapi Perah di Kabupaten Semarang, Pengaruh Persepsi Karakteristik Inovasi Kemitraan Sapi Potong Terhadap Sikap Peternak Sapi, Perilaku Petani Terhadap Diversifikasi Pangan di Kecamatan Tirto Kabupaten pekalongan, Potensi Daun Turi Sebagai Pakan Ternak Secara *In Vitro*, Pengaruh Pengasapan Cair Terhadap Kadar Asam Dan Daya Simpan Daging Sapi , Pengaruh Tingkat Pendidikan dan Manajemen Pengelolaan Usaha Tani Sapi Perah Terhadap Pendapatan pada Kelompok Tani Sidomulyo di Desa Nongko Sawid Jawa Tengah

Kami mengucapkan terima kasih kepada penulis dan semua pihak yang telah membantu penerbitan jurnal ini dan semoga, dapat memberikan motivasi dan dorongan kepada semua sivitas akademika STPP Magelang pada khususnya dan semua pihak pada umumnya untuk mempublikasikan hasil penelitian di bidang penyuluhan peternakan, hasil telaahan pustaka, atau pengalaman lain yang dapat bermanfaat bagi kemajuan di bidang ilmu penyuluhan peternakan pada khususnya dan pembangunan pertanian pada umumnya.

Redaksi.

**KAJIAN DINAMIKA KELOMPOK PADA KELOMPOK TANI TERNAK
SAPI PERAH DI KABUPATEN SEMARANG**
(*The Study of Group Dynamic Factors in Dairy Farmer groups in Semarang District*)

S. Dwijatmiko dan Isbandi*

ABSTRACT

This study aimed to determine the factors and group dynamics further examine these factors on the development and advancement of dairy farmer groups. The experiment was conducted in Semarang district, 180 farmers using a sample belonging to the 18th “KTT Sapi Perah” in six villages. Criteria determining the respondents: a minimum of elementary school education, has 1 lactation dairy cows, breeding experience at least one year, joined in the current “KTT Sapi Perah”. Data collected in the primary and secondary data. Primary data were collected by direct interview using a questionnaire that had been prepared. Secondary data obtained from the village, “KTT Sapi Perah” and related agencies with this research. The data obtained were tabulated and then analyzed by descriptive quantitative method in the form of percentage to explore more deeply the success factors of group dynamics in dairy farmer groups. Results of research shows that characteristics of dairy farmers in productive age (75.56%), elementary school education (67.22%), the principal livelihood of agricultural sector (85.56%), have experience in breeding evenly from <5 -> 10 years, the number of lactating dairy cows <2 tail (74.44%), milk yield 10-15 liters / acre / day (66.11%). Study of group dynamics known from adequate assessment on aspects of job functions and pressure group against group. Good assessment is given on aspects of group goals, group structure, group homogeneity, maintenance and development groups, union groups, group atmosphere, group effectiveness and leadership. These aspects have a close relationship to the development and advancement of livestock farmer groups in dairy cattle.

Keywords: group dynamics, “KTT Sapi Perah”, participation

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PENGARUH PERSEPSI KARAKTERISTIK INOVASI KEMITRAAN SAPI POTONG TERHADAP SIKAP PETERNAK SAPI

(The Effect of Cattle Partnership Pattern Innovation to the Attitude of The Breeders)

A. A. Widodo, F. T. Haryadi, S. P. Syahlani

ABSTRACT

This research was aimed to analyze the effect of characteristic perception of cattle partnership pattern innovation to the attitude of the cow breeders. Fourty cow breeders were involved in this research as respondents. The decision of the respondent was determined by purposive random sampling. Data collection was done in May to June 2009 by using direct interview technique with the respondents which was based on the questionnaire that had been tested its validity and reliability. Descriptive analysis and binomial logistic regression analysis were used to analyze the data. The research showed that 60% respondents were showing positive attitude and 40% respondents were showing negative attitude toward cattle partnership pattern innovation. According to the descriptive analysis it was known that 57.5% respondents had high perception on relative advantage, 70% on compatibility, 80% on trialability, 77.5% on observability, and 80% respondents had low perception on complexity. This research also showed that independent variable which significantly affected the attitude of the breeders through binomial logistic regression analysis was compatibility ($P < 0.05$). The conclusions of this research were that most respondents had positive attitude toward cattle partnership pattern innovation, had high perception on characteristic of innovation except complexity and perception of compatibility affected the breeders' attitude.

(Keywords: characteristics of innovation, perception, cattle partnership pattern, attitude farmers).

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**PERILAKU PETANI TERHADAP PROGRAM DEVERSIFIKASI PANGAN DI DESA
NGALIAN KECAMATAN TIRTO KABUPATEN PEKALONGAN**
*(The Farmer Behaviour on Food Diversification Program in Ngalian Village District Of Tirto
Pekalongan Subprovince)*

T.S.Munanto *

ABSTRACT

This Research was conducted at December month 2010 in Ngalian, village Subdistrict of Tirto Pekalongan Subprovince .The research target to know the farmer behavior to program of food iversifikasi . Substance weared in research by quesioner and use thrity farmer responder.

Intake of Sample of method of purposive sampling. Sum up the sampel was 30 responder. Variable perceived by knowledge, attitude and skill about food diversifikasi Data analysed by deskriptive method.

The result of research indicated that 90% responder know the non rice food substance and 100% responder agree about existence of food substance was non rice and 70% skillful responder managed by non rice food substance become the other food.

Keywords : knowledge, attitude and skill

** Staf pengajar Sekolah Tinggi penyuluhan Pertanian Magelang*

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POTENSI DAUN TURI SEBAGAI PAKAN TERNAK SECARA IN VITRO
(*Sesbania Leaf In Vitro Potential As Livestock Feed*)

J. Daryatmo*

ABSTRACT

This research was conducted to investigate nutrition potential of Sesbania as livestock feeds. Fresh, freeze-dried and oven-dried samples of the leaves from Sesbania species taken from Yogyakarta, Indonesia (experiment I) were used to evaluate in vitro gas production in the absence or presence of polyethylene glycol (PEG). Experiment II were to assess the in vitro anthelmintic potential of Sesbania leaves, that contain active compound, in exerting their anthelmintic effects against Haemonchus contortus. The in vitro anthelmintic potential of the forages was assessed using aqueous infusions of the plant material. The result showed that the mean value of gas production from fresh samples blends in 1 minute and 2 minutes both higher than from freeze-dried and oven-dried samples. Freeze-dried samples produced a higher volume of gas than oven-dried samples. The mean value of gas production from samples that added with PEG was higher than without PEG (experiment I). Sesbania (Sesbania grandiflora) were recorded to have high in vitro digestibility, due to has a high rate of gas production potential and a relatively high gas production with or without the addition of PEG. The results of stage II; on screening in vitro on adult worms, on the concentration increased, the number of dead worms significantly more ($P < 0.05$). Percentage of mean value of mortality of worm were high on Sesbania leaf aqueous infusions of 80%.

Key words: Sesbania grandiflora, Gas production, Anthelmintic, Haemonchus contortus

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PENGARUH PENGASAPAN CAIR TERHADAP KADAR ASAM DAN DAYA SIMPAN DAGING SAPI

(The Effect of Liquid Fumigation on pH and Meat Cow Depository Time)

D.Yudhabuntara*, B.P.Widiarso**

ABSTRACT

The research was done by research recognize liquid fumigation influence in beef part of thigh muscle to change assess deterioration storey;level and pH early flesh] is depository of room temperature.

Sample came from Animal Demangan slaughtering house, counted 8 cow tail various type. This research was done in Technological Laboratory of Flesh, Faculty Of Veterinary University Gajdah Mada. Sample divided by 2 group, each lot compose 8 cutting. First group heated by temperature 50°C during 5 minute as both and comparator plunged in liquid smoke 1% during last 1 minute heated by temperature 50°C during five minutes, both of group kept in room temperature. Measurement of pH flesh before and after treatment noted as postmortem pH by means of pHmeter which is plunged in flesh extract. Test Eber done by flesh rasher put by tip of strand of metal packed into containing tube 5 Eber reagen ml, flesh depended and corked with cover]. Test reductase conducted by obtained flesh extract and flesh 1 gram attenuated and packed into added [by] last 9 aquadests 10 ml blue methylene drip and put in penangas irrigate 50°C during 5 minute. Here in after every 3 hour deterioration of flesh done by measurement assess pH, test and reductase record-keeping [of] change test Eber. Processing and data analysis use split-plot method and t test.

The result of research obtained by final pH value of deterioration of warm by flesh 6,327 at flesh and ke-2L which was died in liquid smoke 1% of 5,930 at twenty seventh. Liquid fumigation 1% having real influence ($P < 0,05$) statistical analysis of split method - plot. Medium at any time perception

Key words :Meat , Liquid fumigation,depository time

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**PENGARUH METODE PENYULUHAN TERHADAP DAYA SERAP MATERI
PENYULUHAN DI DESA MOJOSARI KECAMATAN KARANGGEDE KABUPATEN
BOYOLALI**

*(The Effect Of Extention Method Using The Sampling Equipment On Farmer Absorption Of
ExtentionMatter In Mojosari Village Karanggede DistricBoyolali Regency)*

Akimi*

ABSTRACT

Examination research activity was carried out in Mojosari Village of Karanggede Distric of Boyolali Regency Cenctral Java Proviencie. Which started at march till Juli 2010. teh arm of this research was to know the effect of extention method using sampling equipment on farmer absorbtion of extention matter. Completely Randomized Ekperimental design was used in this research, with 3 treatment and 6 replication. The treatment was teh time of interval of evaluation which divided into A. The time of interval of evaluation was in one day after the extention B. The time of interval of extention evaluation was in three day after the extention C. The time interval of extention was in five days after the extention. The data analyzed which used was an one way analysis of variance (ANOVA) method that applicated by SPSS 11,5 program and continued with analysis of Multiply Duncan Test, if there was different result. Based on one way ANOVA, the result showed that there three treatment giving the significantly different result on the matter absorbtion ($P>0.05$). The test was continued with Duncan test to identify the different of the among the treatment, the result were A. 97.33 ± 2.73 B. 82.67 ± 6.28 C. 74.67 ± 4.13 . if was showed that C (74,67) treatment significantly different with B (82.667) treatment or A (97.333) treatment, in such a manner with B (82.667) treatment significantly different with A (97.333) treatment, based on 5% leavel of significant. The evaluation value of the time interval of evaluation was one day 97.33 more higher than the evaluation value of the time interval of evaluation was in three days after the extention 82.667, and the evaluation value of five days of evaluation time interval after the extention was 74.667. it was concluded that the evaluation time interval in one day after the extention resulted the biggest absorbtion on extention matter, it caused by shorter time interval of evaluation, make the mindful of the matter still good enough.

Key Words : Extention, sampling equipmet, absorbtion, evaluation

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PEDOMAN PENULISAN NASKAH

Jurnal Pengembangan Penyuluhan Pertanian bidang Ilmu-ilmu Peternakan yang diterbitkan oleh Sekolah Tinggi Penyuluhan Pertanian (STPP) Magelang jurusan Penyuluhan Peternakan, menerima naskah berupa hasil penelitian (Laboratorium, Lapangan, Kepustakaan), catatan penelian (notes), yang ditulis dalam bahasa Indonesia atau Inggris dengan gaya bahasa yang efektif, akademis dan belum pernah dipublikasikan pada media lain.

Naskah diketik di atas kertas HVS ukuran kuarto dengan spasi 1,5; jumlah halaman setiap naskah termasuk daftar pustaka dan abstrak sebanyak 15-20 halaman; diketik dengan huruf Times New Roman ukuran 12 font; Naskah dapat berupa *hard copy*, tersimpan dalam disket, CD atau media digital lainnya.

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