

**KAJIAN NON RETURN RATE (NRR) DAN CONCEPTION RATE (CR) PROGRAM  
INSEMINASI BUATAN TERHADAP SAPI LOKAL PADA DAERAH LAHAN BASAH  
DAN KERING DI  
KABUPATEN MAGELANG**

*(The Study of Non Return Rate and Conception rate Artificial Insemination Program on Local  
Cattle in Wet and Dry Area in Magelang Sub-Province)*

**T.Susilo\***

**ABSTRACT**

*The Research was aimed to to evaluate and compare result of activity IB evaluated from Non Return Rate ( NRR) And Conception Rate ( CR) to Local cattle acceptor in wet farm area and dry area Regency of Magelang. The research used by 200 Local cattle tail owned by the people breeder becoming acceptor Artificial Insemination. Research conducted with the method survey. Location determination by Cluster Random of Sampling and intake sampel by Purposive Random Sampling.*

*Data analysed descriptively. Free variable perceived by Acceptor of based on physiological age ( parity), covering: virgin ( P0), bearing first ( P1) , bearing second ( P2) and bear third ( P3) as factor I. As factor II was wet farm area and dry area. Variable is not free perceived, covering: number do not return to ask the insemination ( pregnant NRR) number And ( CR).*

*The Result of Research Showed The Region of Regency Magelang located in [among/between] 110°01'51" and 110°26'58" East meridian and 7°19'13" and 7° 42'16" South arch latitude. Height between 202 - 1.378 m of above sea level and mean 360 m. Amount produce the dry substance coming from agriculture waste and grass ( 300.160,99 ton + bekatul ( 344.867,84 ton = 645.028,83 ton / year). Requirement dry matter was 182.517,19 ST x 2.920 singk = 532.950.194,8 singk or 532.950.19 ton. Excess dry matter contain 645.028,83 ton - 532.950,9 ton = 112.079,64 ton, hence still enable to develop the livestock, that is 38.383,44 ST.*

*Result Of Research Showed that the lowest Non Return Rate ( NRR) in the wet farm area ( P0) that is equal to 72,22% and highest [at] parity cattle three ( P3) ( that is equal to 78,94%. The lowseta Non Return Rate in dry area ( P0) [of] equal to 65,38% and highest [at] parity cattle ( P3) of equal to 75,67%. Here inafter the lowest CR ] became of by the wet farm area [of] heifer ( P0) that is 38,88% and highest at parity cattle three ( P3) equal to 47,36%. Perception of the lowest CR in dry area farming of heifer ( P0) [of] equal to 34,61% and became of the highest of parity cattel three ( P3) equal to 45,95. The conclusion which can be taken by that pursuant to parity difference, NRR And CR of result of AI] parity acceptor three ( P3) obtain; get the best result and pursuant to difference of farm type, compared to better wet farm than dry farming*

*Keyword: Non Return Rate, Conception Rate, local cattle, wet area, dry area*

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*\*Staf pengajar Sekolah Tinggi Penyuluhan Pertanian (STPP) Magelang*