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E-mail: irajsaleh@yahoo.com : : :

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                                                     (OP)
                                                                       (IP)
                                                                                        (D)
                                                                                 (F)
                                                     I=f(IP,OP, D, F)
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                                                      L. Lalle
    .( )
                                                      Ronald D. K.
C. W. Rougoor
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<u>...</u>

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QK = K.rk + R + D
                          QK
           rk
                                   K
                        R
   D
    (ROE)
               .( )
                                  ()
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M. Ward

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Rate of Equity

NPV ROE

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(NPV)
. (IRR)

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 $NPV = \sum_{t=1}^{n} \frac{\left(B_t - C_t\right)}{\left(1 + i\right)^t} \tag{NPV}$

 $\begin{array}{ccc} & & & C_t & B_t \\ t & & i & & n \ t \end{array}$

NPV > 0 NPV = 0

NPV<0

(IRR)

Net Present Value

Internal Rate of Return

NPV

IRR= r* IRR<r* NPV IRR (() NPV(%r) = 0(r) (IRR) IRR $NPV = \sum_{t=1}^{n} \frac{(B_t - C_t)}{(1+r)^t} = 0$ () (r*)) (

IRR>r*

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Cash flow table

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(ROE)

(<i>R</i>	ROE)	()	
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() (ROE)

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IRR			NPV			
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۱- اطلاعات مربوط به نرخ سود بانکی سپردههای سرمایه گذاری بلندمدت پنج ساله مربوط به سال ۱۳۸۴ می باشد.

NPV ¹

. NPV % IRR

. % / IRR NPV

% / IRR IRR NPV

. (

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. $$^{\rm NPV}$$. $$^{\rm NPV}$$

(IRR) (NPV)

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Economic evaluation of trout farm fisheries in Ilam province

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Abstract

Since there are suitable natural conditions in Ilam province including various rivers and springs with enough water supply, farm fisheries could play an important role in meeting food requirements in the region. The objective of this study is to evaluate the profitability of trout farm fisheries using profitability and economic indicators. Data of all farm fisheries were collected through questionnaire. The indicators include rate of equity (ROE), net present value (NPV) and internal rate of return (IRR). The results of comparison of ROE with the average profit rate of investment deposit indicate that 41.37 percent of farm fisheries were economically justified. The results of calculation of NPV and IRR show that farms with a capacity over 15 tones were profitable. Based on this finding, it is recommended to utilize economies of scale through establishing large scale farms.

Keywords: Trout farm fisheries, Evaluation indicators, Economic justification, Ilam province