

## *Pomadasys kaakan*

( )

\*

( )

*Pomadasys kaakan*

cm

(b= / )

/ :

/

/ mm

Total spawner

Partial synchronism

*Pomadasys kaakan* :

(*Pomadasys kaakan*)

Haemulidae

[ ]

[ ]

m

[ ]

[ ]

[ ]

[ ]

[ ]

[ ]

( °C )

%

[ ]

μ

[ ]

( )

( )

[ ]

( )

( )

( )

g

[ ]

cm

( )

( )

)

(

[ ]

/ g

(t )

(GSI)

[ ]

$$GSI = \frac{GW}{BW} \times$$

/ cm± /

/ ± /

/ ± /

(g)

=GW

(g)

=BW

g ± /

b a

/ (R)

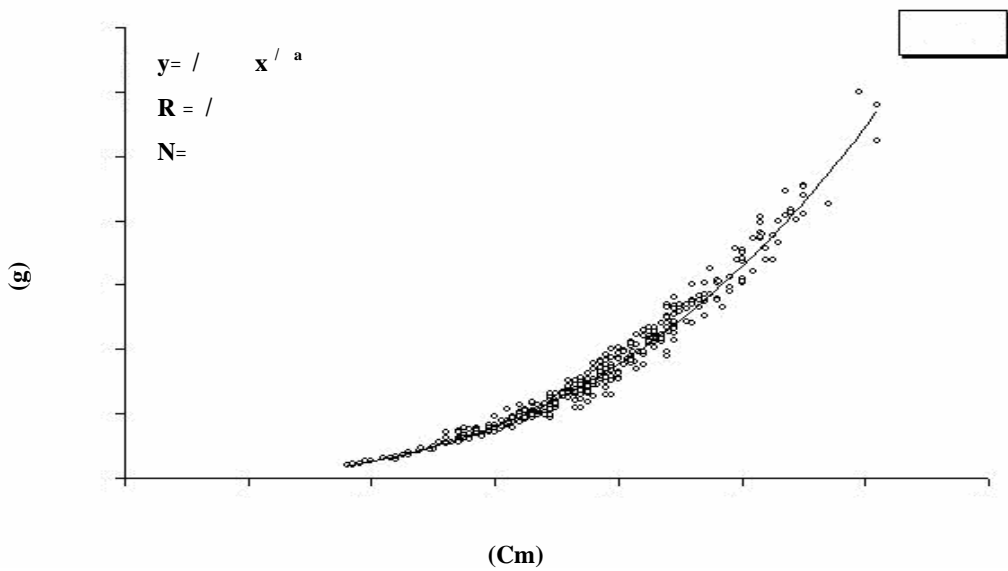
/ /

[ ]

$$W = aL^b$$

( )

(b)



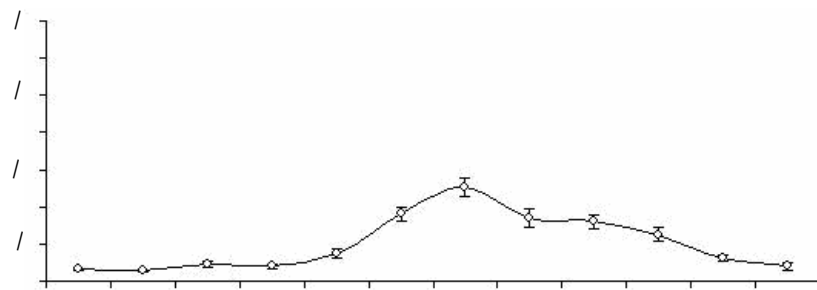
( )

1. Isometric
2. Allometric

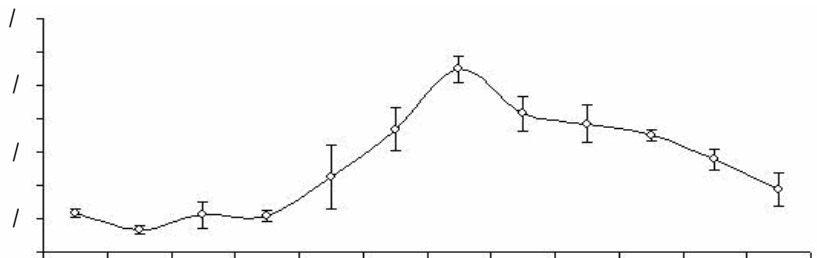
( )  
 % Chi-square  
 ( )  
 M:F= / :  
 / mm :  
 / mm (X = / df = x = / )  
 / mm /  
 / mm /  
 / mm / mm /  
 / mm / ( )  
 ( ) % / mm Chi- square

/	* /	/ :				
/	/	/ :				
/	/	/ :				
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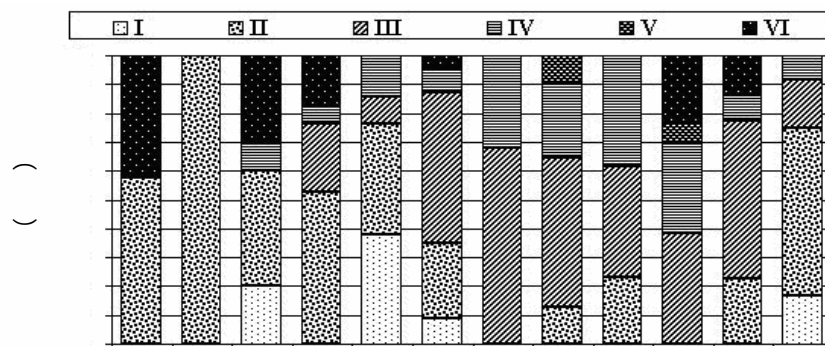
1. Chi - square



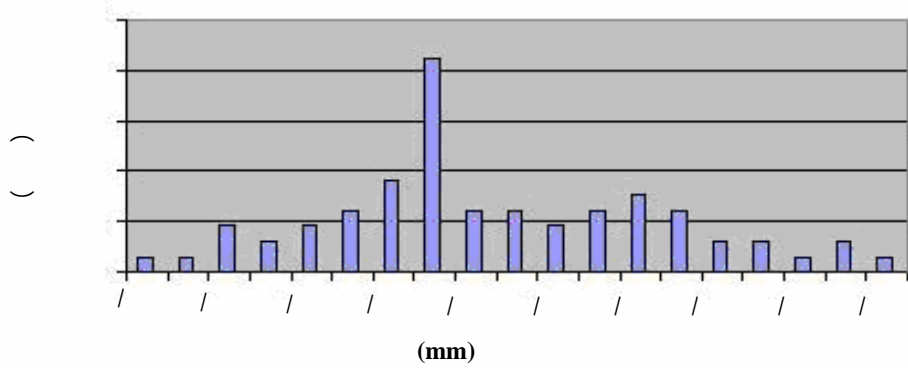
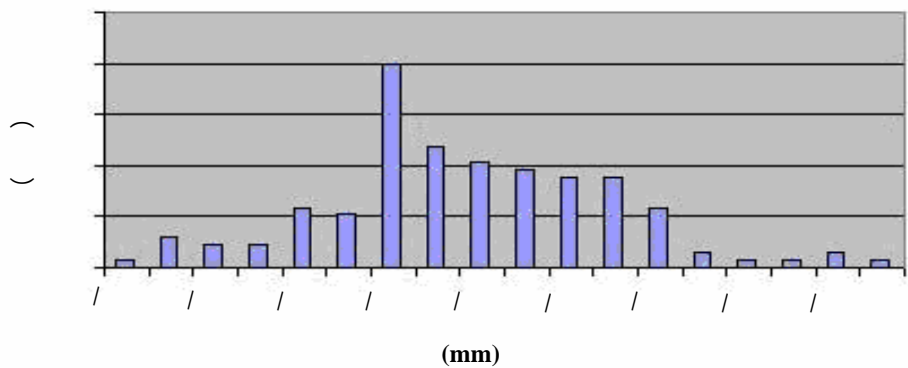
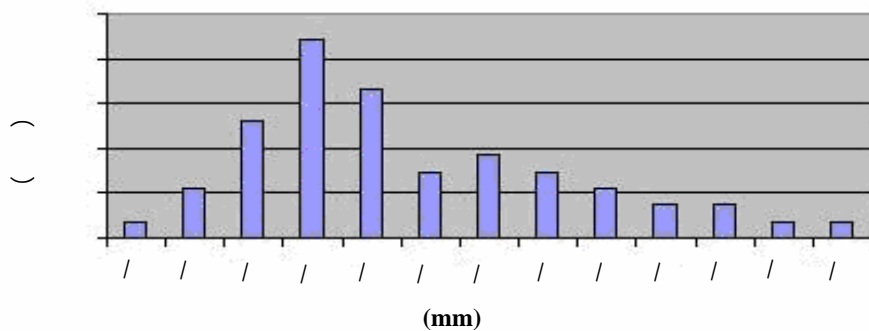
( ) GSI



( ) GSI



( )



( ) ( )

/ Cm /

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±

±

.( )

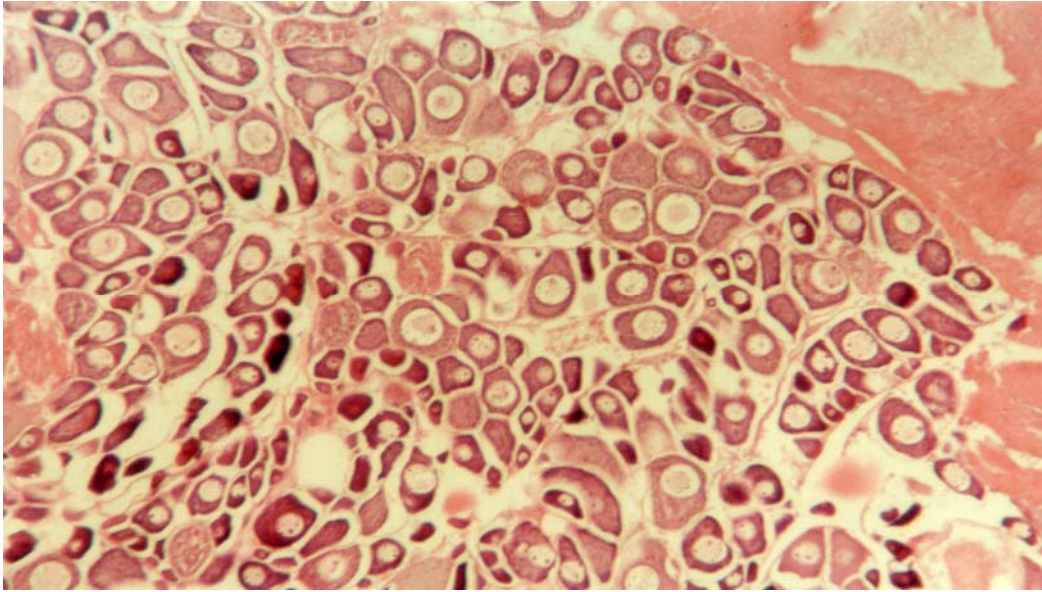
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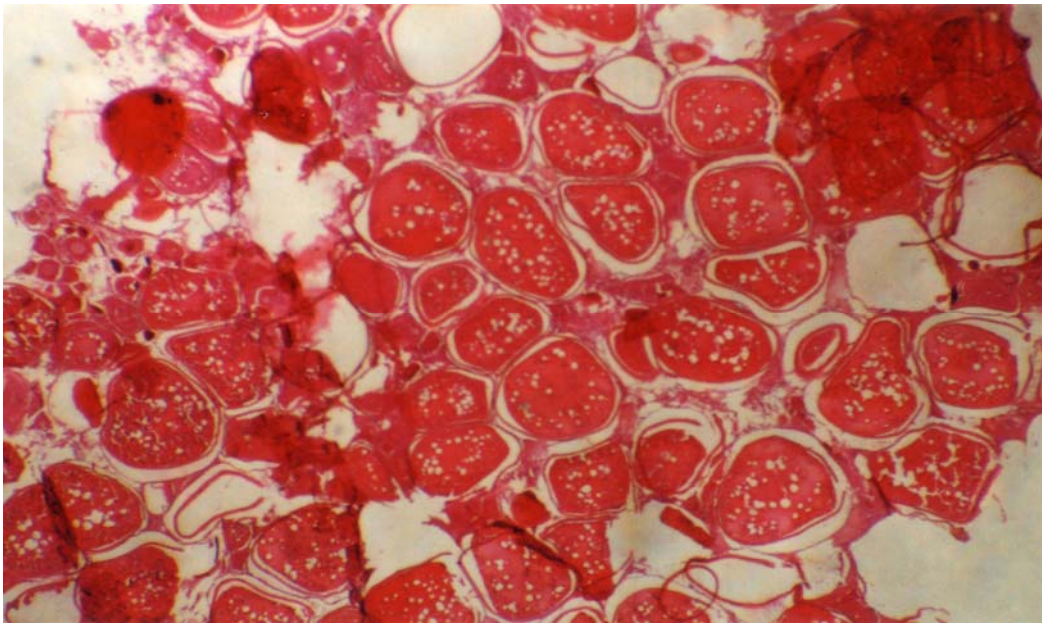
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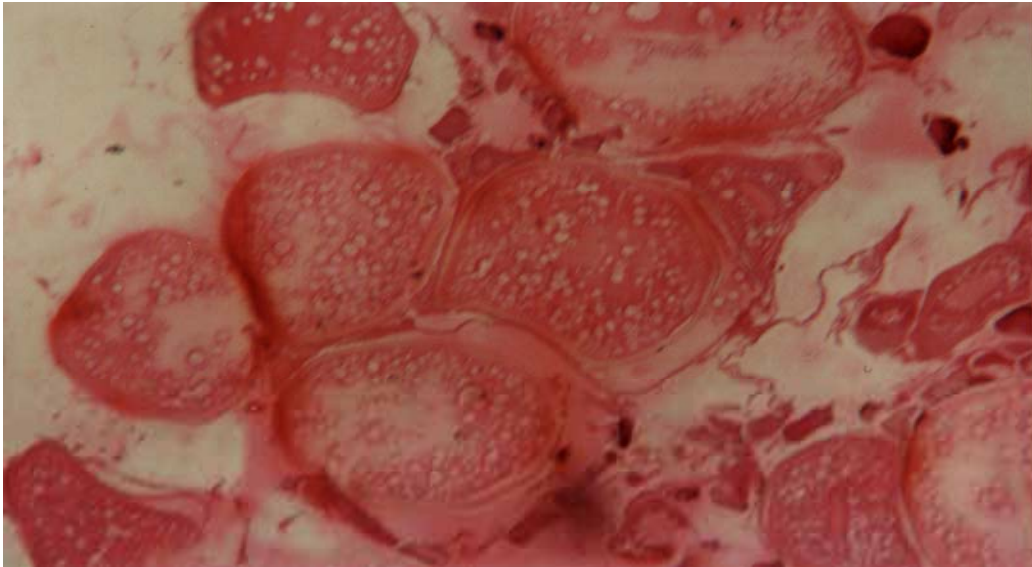
x



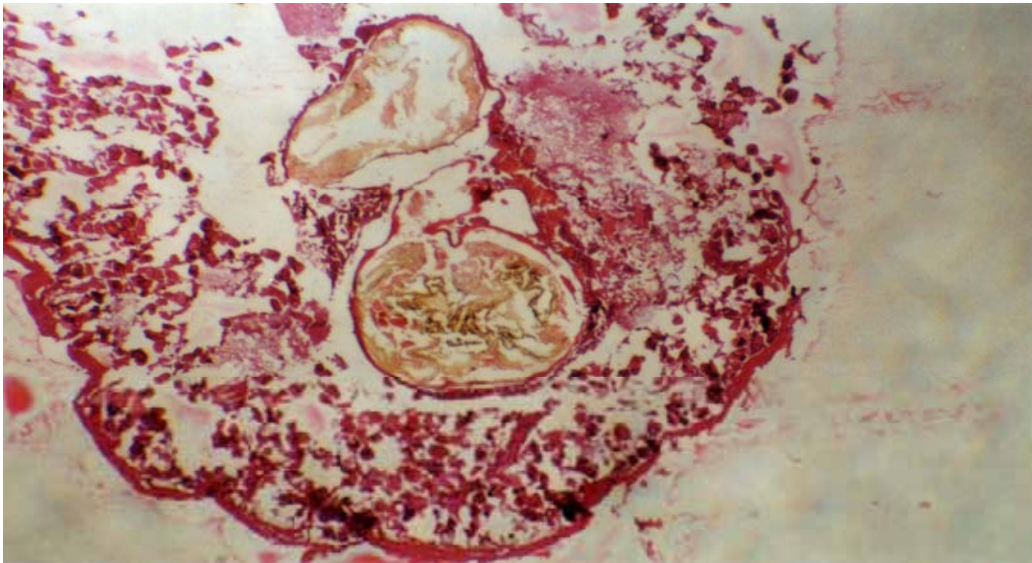
x

( )





x  
( )



x  
( )

[ ]

[ ]

[ ]

Pomadasys kaakan

( )

( )

( )

[ ]

( )

GSI

( )

[ ]

)

( ) (

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/ mm

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/ mm

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/ mm

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( )

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)

(

[ ]

( )

1. Gonochoristic

$\frac{W}{L} = b = \frac{W}{L}$

Total Spawner

Partial synchronism

$\frac{W}{L} =$

:

(x)

GSI  $\frac{W}{L}$

$\frac{W}{L} =$

:

%

[ ]

Total spawner

Partial

[ ]

synchronism

[ ]

[ ] [ ]

[ ]

[ ]

[ ]

[ ]

[ ]

( )

$(R = \frac{W}{L})b = \frac{W}{L}$

:

[ ] M:F= / :

M:F= / :

( )

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