

KELIMPAHAN BAKTERI *Vibrio* sp. PADA AIR PEMBESARAN UDANG VANNAMEI (*Litopenaeus vannamei*) SEBAGAI DETEKSI DINI SERANGAN PENYAKIT VIBRIOSIS

Abstrak :

The abundance of bacteria is an activity that aims to determine the distribution and the abundance of bacteria in a water area, so an effort to control and prevent against these bacteria can be made to avoid it's wide spread. The function of this monitoring activities is for an early

detection
of
animal
health
conditions
that
is
the white
leg
shrimp
due
to
bacterial
attack. Given
the
importance
of
health
level
in
the
cultivation
of white
leg
shrimp,
then
the monitoring
activity
in
bacterial
abundance
should
be
done
because
the
number
of
bacteria
found
in
aquatic
environments
shouldn't
exceed
the

*minimum threshold number of bacteria that is 10⁴
CFU/ml.*

The purpose of this study case is to know the abundance of Vibrio sp. on white leg shrimp water augmentation.

Because

the

Vibrio

sp.

bacteria

is

known

as

the

opportunistic

pathogen

of

white

leg

shrimp,

which

can

cause

disease

if

the

environmental

conditions

are

bad. Working

methods

used

is

descriptive method of data collection techniques include primary and secondary data.

The

stage

of

the

monitoring

activity

include:

(1)

Preparation

phase

which

includes

the

preparation of equipment and materials and sterilization equipment and media. (2) Phase of making trisalt solvent and bacterial culture media.

*(3)
Phase of retrieval and delivery the water samples.*

*(4)
Phase planting the water samples.*

*(5)
Phase counting the bacteria.*

*(6)
Interpretation the results of the calculation.*

Based on the results of monitoring the abundance of bacteria in white leg

*shrimp
water
augmentation
activity,
the
conclusion
is
the
abundance
of
Vibrio
sp.
on
white
leg
shrimp
water
augmentation has exceeds the minimum threshold number of bacteria that is 104
CFU/ml, so the white leg
shrimp culture is susceptible againts these Vibriosis disease.*

Keyword :

Daftar Pustaka :

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