<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Visualization of Components of Bacterial Surface Protein of Staphylococcus aureus from Milk of Bovine Mastitis Cases</td>
<td>92 - 97</td>
</tr>
</tbody>
</table>
Visualization of Components of Bacterial Surface Protein of Staphylococcus aureus from Milk of Bovine Mastitis Cases

Visualisasi Komponen Protein Permukaan Staphylococcus aureus dari Susu Sapi Perah Penderita Mastitis

1. Mustofa Helmi Effendi --> Dosen Fakultas Kedokteran Hewan / mheffendi@yahoo.com

Abstract

The experiment was done to show the visualization of components of bacterial surface protein of Staphylococcus aureus from milk of bovine mastitis cases on several herds in East Java. Understanding of the epidemiology of Staphylococcus aureus has resulted in excellent control to this major mastitis pathogen in many herds. The major breakthrough in controlling Staphylococcus aureus came with the realization that it was primarily transmitted from cow to cow during the milking process. Therefore, investigation in molecular biology level by visualization of components of bacterial surface protein of Staphylococcus aureus should be done to solve mastitis problems.

Detection mastitis cases used CMT test. milk samples were collected from mastitic cases at the afternoon milking time. Preparation of pure culture of Staphylococcus aureus were confirmed by MS agar, hemolytic activity, catalase and coagulase tests.

The result showed that components of surface protein of isolates Staphylococcus aureus from several dairy herds were similar band pattern. The molecular weight of bacterial surface protein were 40 kD, 55 kD and 86 kD

Keyword : Bacterial, surface, Protein, Staphylococcus, aureus, Bovine, Mastitis,

Daftar Pustaka :