

## ABSTRAK

**Rosa Qodri Milenia Simatupang, NIM. 4173141061 (2021). Survey Pelaksanaan Pembelajaran Biologi Berbasis *Daring* di Masa Pandemi *Covid-19* pada Materi Sistem Imun di Kelas XI SMA Negeri 1 Sidikalang T.P. 2020/2021**

Hal yang melatar belakangi penelitian ini yaitu pembelajaran daring baru pertama kali dilakukan di SMA N 1 Sidikalang, kemudian Perubahan sistem pembelajaran menyebabkan guru dituntut untuk melakukan inovasi dalam memanfaatkan aplikasi belajar dalam perencanaan, pelaksanaan dan sistem penilaian berbasis daring. Tujuan penelitian ini adalah untuk mendeskripsikan perencanaan, pelaksanaan dan sistem penilaian pembelajaran biologi berbasis daring pada materi sistem imun di kelas XI SMA Negeri 1 Sidikalang T.P. 2020/2021. Metode yang digunakan adalah deskriptif kualitatif dengan 168 siswa sebagai sampel dari 288 siswa kelas XI MIPA di SMA Negeri 1 Sidikalang sebagai populasi penelitian. Instrumen penelitian adalah wawancara, angket, dan dokumentasi dianalisis dengan teknik persentase. Penelitian ini dilaksanakan semester genap tahun ajaran 2020/2021 pada bulan Mei 2021 dengan subjek penelitian guru biologi dan siswa.

Berdasarkan analisis data diketahui hasil penelitian bahwa survey pembelajaran biologi berbasis daring meliputi 3 proses yaitu perencanaan, pelaksanaan, dan penilaian. Hasil penelitian dari perencanaan dikategorikan sangat baik, dengan hasil persentase pada indikator perencanaan perangkat pembelajartan berbasis daring sebanyak 96,36 %, dan pada indikator fasilitas pembelajaran daring sebanyak 96,30 %. Kemudian pada hasil pelaksanaan pembelajaran juga dikategorikan sangat baik dengan persentase 90,01%. Pada pelaksanaan pembelajaran, survey yang dilakukan yaitu melihat kegiatan pendahuluan, kegiatan inti dan kegiatan penutup pada pembelajaran daring yang dilakukan. Dan yang terakhir yaitu hasil dari sistem penilaian daring terhadap siswa yang dikategorikan sangat baik dengan hasil persentase 92,61 %. Penilaian yang dilakukan berupa penilaian pengetahuan, keterampilan dan sikap.

**Kata Kunci:** *Pelaksanaan Pembelajaran Biologi, Pandemi-19, sistem imun.*

## ABSTRAK

**Rosa Qodri Milenia Simatupang, NIM. 4173141061 (2021). Online-Based Biology Learning Implementation Survey During the Covid-19 Pandemic On Immune System Material In Class XI SMA Negeri 1 Sidikalang T.P. 2020/2021**

The background of this research are is online learning was carried out for the first time at SMA N 1 Sidikalang, then changes in the learning system caused teachers to be required to innovate in utilizing learning applications in planning, implementing and online-based assessment systems. The purpose of this study was to describe the planning, implementation and assessment system of online-based biology learning on immune system material in class XI of SMA Negeri 1 Sidikalang T.P. 2020/2021. The method used is descriptive qualitative with 168 students as a sample of 288 students of class XI MIPA at SMA Negeri 1 Sidikalang as the research population. The research instruments were interviews, questionnaires, and documentation were analyzed using the percentage technique. This research was carried out in the even semester of the 2020/2021 academic year in May 2021 with the subject of research being biology teachers and students.

Based on data analysis, it is known that the research results show that the online-based biology learning survey includes 3 processes, namely planning, implementation, and assessment. The results of the research from planning are categorized as very good, with the percentage results on indicators of planning for online-based learning devices as much as 96.36%, and on indicators of online learning facilities as much as 96.30%. Then the results of implementing learning are also categorized as very good with a percentage of 90.01%. In the implementation of learning, a survey was carried out, namely looking at the introductory activities, core activities and closing activities in the online learning carried out. And the last is the results of the online assessment system for students who are categorized as very good with a percentage result of 92.61%. The assessment is carried out in the form of an assessment of knowledge, skills and attitudes.

**Keywords:** *Implementation of Biology Learning, Pandemic-19, immune system.*