

**ANALISIS KESULITAN BELAJAR SISWA PADA MATERI POKOK
HEREDITAS DI KELAS XII IPA SMA SE-KECAMATAN
PERBAUNGAN TAHUN PEMBELAJARAN 2013/2014**

Nurkhalifah Binti Sulaiman Pasaribu (NIM. 4103141054)

ABSTRAK

Tujuan dari penelitian adalah untuk mengetahui tingkat kesulitan belajar siswa pada materi pokok Hereditas yang ditinjau dari aspek kognitif, indikator pembelajaran dan faktor penyebab. Metode yang digunakan adalah analisis tes diagnostik penyebab kesulitan belajar siswa. Desain penelitian adalah deskriptif kuantitatif. Populasi dalam penelitian ini adalah seluruh siswa kelas XII IPA SMA se-kecamatan Perbaungan. Sampel penelitian diambil secara *purposive sampling* sebanyak 144 siswa yang diambil masing-masing satu kelas dari empat sekolah di SMA se-kecamatan Perbaungan. Instrumen penelitian adalah tes diagnostik berupa tes objektif, angket, dan wawancara. Data dianalisis dengan teknik persentase. Hasil penelitian menunjukkan: 1) persentase tingkat kesulitan belajar siswa pada setiap aspek kognitif soal C1, C2, C3, C4, C5, dan C6 secara berturut-turut sebesar 32,07%, 34,81%, 43,99%, 43,89%, 37,42%, dan 79,87%; 2) persentase kesulitan belajar setiap indikator soal pada materi pokok Hereditas meliputi: (1) mendeskripsikan struktur, sifat dan fungsi RNA sebesar 28,19%, (2) menjelaskan keterkaitan gen, DNA, RNA, polipeptida dan proses sintesis protein sebesar 56,25%, (3) mendeskripsikan pembelahan meiosis dan mitosis 30,56%, (4) menghubungkan pembelahan sel dengan pewarisan sifat sebesar 31,25, (5) mendeskripsikan fase-fase pembelahan dan tempat terjadinya mitosis dan meiosis sebesar 55,36%, (6) mendeskripsikan sintesis protein sebesar 43,75%, (7) mengaitkan hubungan antara gen, DNA dan kromosom sebesar 32,45%, dan (8) mendeskripsikan struktur DNA serta sifat dan fungsinya sebesar 43,41%; dan 3) faktor penyebab yang mendukung kesulitan belajar siswa yaitu materi pelajaran, guru biologi, dan orang tua. Disimpulkan bahwa terdapat kesulitan belajar siswa pada materi pokok Hereditas di kelas XII IPA SMA se-Kecamatan Perbaungan Tahun Pembelajaran 2013/2014.

**ANALYSIS OF STUDENTS LEARNING DIFFICULTIES IN THE
SUBJECT MATTER OF HEREDITY IN CLASS XII
SMA IN THE PERBAUNGAN DISTRICTS
OF LEARNING 2013/2014**

Nurkhalifah Binti Sulaiman Pasaribu (NIM. 4103141054)

ABSTRACT

The research was to determine the level of students learning difficulties in the subject matter of Heredity that in terms of cognitive, learning indicators and causal factors. The method used is the analysis of the causes of diagnostic tests students learning difficulties. The study design was descriptive quantitative. The population in this study were all students of class XII SMA in Perbaungan districts. Samples were taken by purposive sampling as many as 144 students who take one class each of the four school of SMA in Perbaungan districts. The research instrument is a diagnostic test objective, questionnaire and interview. Data were analyzed by percentage techniques. The results showed: 1) the percentage of the level of difficulty on each students learning about the cognitive aspects of C1, C2, C3, C4, C5, and C6 respectively by 32.07%, 34.81%, 43.99%, 43.89%, 37.42%, and 79.87%; 2) the percentage of each indicator about the difficulty of learning the subject matter of Heredity include: (1) describe the structure, properties and functions of RNA by 28.20%, (2) a description of how genes, DNA, RNA, polypeptides and protein synthesis process 56.25 %, (3) describe meiosis and mitosis 30.56%, (4) linking cell division by inheritance of 31.25, (5) describe the phases of the division and the site of mitosis and meiosis of 55.36%, (6) describe the synthesis of proteins by 43.75%, (7) linking the relationship between genes, DNA and chromosomes of 32.45%, and (8) describe the structure of DNA and the nature and function of 43.41%; and 3) the causes that support students learning difficulties ie subject matter, biology teachers, and parents. Concluded that there are learning difficulties of students in the subject matter of Heredity in class XII SMA in the Perbaungan District of Learning 2013/2014.