Your code seems mostly correct, but there are a few points to note:

1. In the priceCalculator trait, the $discount property is defined as a static property. This means it belongs to the trait itself, not instances of the class using the trait. If you want each ShopProduct instance to have its own discount rate, you should remove the static keyword from the $discount property.
2. In the ShopProduct class, the getDiscount method returns $this->discount, but the discount property is not defined in the class. Instead, it's defined in the priceCalculator trait. You might want to either move the discount property to the ShopProduct class or access it through the trait using self::$discount.

Here's the modified code: